



# STIC Search Report

## Biotech-Chem Library

STIC Database Tracking Number: 143934

To: Claire Kaufman  
Location: REM-4E85&4C70  
Art Unit: 1646  
Tuesday, February 22, 2005  
  
Case Serial Number: 09/063778

From: Beverly Shears  
Location: Remsen Bldg.  
RM 1A54  
Phone: 571-272-2528  
  
beverly.shears@uspto.gov

### Search Notes

4/22/98 = SEQ ID NO:3 = mature length  
4/25/98 - SEQ ID NO:1 = 19kD fragment  
NO:2 = ~~the same~~ full-length

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Gencore version 5.1.6  
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## Om nucleic - nucleic search, using sw model

Run on:

February 21, 2005, 09:21:54 ; Search time 337 Seconds

{without alignments}

9260.362 Million cell updates/sec

Title: US-09-063-778-4

Perfect score: 528

Sequence: 1 TGGGGCCGGCCGGGCC.....TGGCGGCCGGCGGC 528

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 5384158 seqs., 295248155 residues

Total number of hits satisfying chosen parameters:

10768316

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%\*

Maximum Match 100%\*

Listing first 45 summaries

Database : Published Applications NA,\*

Minimum DB seq length: 0

Maximum DB seq length: 200000000

1: /cgmn\_6/ptodata/1/pubpna/us07\_pubcomb.seq: \*  
 2: /cgmn\_6/ptodata/1/pubpna/cct\_new\_pub.seq: \*  
 3: /cgmn\_6/ptodata/1/pubpna/us06\_new\_pub.seq: \*  
 4: /cgmn\_6/ptodata/1/pubpna/us07\_new\_pub.seq: \*  
 5: /cgmn\_6/ptodata/1/pubpna/pctus\_pubcomb.seq: \*  
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 10: /cgmn\_6/ptodata/1/pubpna/us09\_pub.seq: \*  
 11: /cgmn\_6/ptodata/1/pubpna/us10\_pubcomb.seq: \*  
 12: /cgmn\_6/ptodata/1/pubpna/us10\_pubseq: \*  
 13: /cgmn\_6/ptodata/1/pubpna/us10\_pubcomb.seq: \*  
 14: /cgmn\_6/ptodata/1/pubpna/us10c\_pubcomb.seq: \*  
 15: /cgmn\_6/ptodata/1/pubpna/us10c\_pubseq: \*  
 16: /cgmn\_6/ptodata/1/pubpna/us10d\_pubcomb.seq: \*  
 17: /cgmn\_6/ptodata/1/pubpna/us10d\_pubseq: \*  
 18: /cgmn\_6/ptodata/1/pubpna/us10f\_pubcomb.seq: \*  
 19: /cgmn\_6/ptodata/1/pubpna/us10f\_pubseq: \*  
 20: /cgmn\_6/ptodata/1/pubpna/us11\_new\_pub.seq: \*  
 21: /cgmn\_6/ptodata/1/pubpna/us60\_pubcomb.seq: \*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No. Score Query

Match Length DB ID

Description

RESULT 1  
 US-10-147-463-4 ; Sequence 4, Application US/10147463  
 Publication No. US20030059838A1  
 GENERAL INFORMATION:  
 APPLICANT: ARIYASU, Toshiro  
 NAKAMURA, Shuji  
 ORITA, Kunzo  
 TITLE OF INVENTION: HEDGEHOG PROTEIN  
 NUMBER OF SEQUENCES: 31  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: BROWDY AND NEIMARK  
 STREET: 419 Seventh Street N.W., Ste. 300  
 CITY: Washington  
 STATE: D.C.  
 COUNTRY: United States of America  
 ZIP: 20004  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/10/147,463  
 FILING DATE: 17-May-2002  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: US/09/617,545  
 FILING DATE: 14-JUL-2000  
 APPLICATION NUMBER: 09/063,778  
 FILING DATE: <Unknown>  
 APPLICATION NUMBER: JP 98-  
 FILING DATE: 14-APR-1998  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Browdy, Roger L.



**RESULT 3**  
US-10-147-463-8  
Sequence 8, Application US/10147463  
Publication No. US20030059838A1  
**GENERAL INFORMATION:**  
APPLICANT: ARIYASU, Toshi<sup>o</sup>  
ORITA, Kunzo  
NAKAMURA, Shuji  
TITLE OF INVENTION: HEDGEHOG PROTEIN  
NUMBER OF SEQUENCES: 31  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BROWDY AND NEIMARK  
STREET: 419 Seventh Street N.W., Ste. 300  
CITY: Washington  
STATE: D.C.  
COUNTRY: United States of America  
ZIP: 20004  
**COMPUTER READABLE FORM:**  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
**CURRENT APPLICATION DATA:**  
APPLICATION NUMBER: US/10/147,463  
FILING DATE: 17-May-2002  
**PRIOR APPLICATION DATA:**  
ATTORNEY/AGENT INFORMATION:  
NAME: Browdy, Roger L.  
REGISTRATION NUMBER: 25, 618  
REFERENCE/DOCKET NUMBER: ARIYASU=1  
**TELECOMMUNICATION INFORMATION:**  
TELEPHONE: (202) 628-5197  
TELEFAX: (202) 737-35281  
**INFORMATION FOR SEQ ID NO: 8:**  
SEQUENCE CHARACTERISTICS:  
LENGTH: 602 base pairs  
TYPE: nucleic acid  
STRANDBNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
ORIGINAL SOURCE:  
ORGANISM: human  
INDIVIDUAL ISOLATE: ARH-77, ATCC CRL-1621  
**FEATURE:**  
NAME / KEY: 819 peptide  
LOCATION: 1..6  
IDENTIFICATION METHOD: S  
SEQUENCE DESCRIPTION: SEQ ID NO: 8:  
US-10-147-463-8

Query Match 100.0% Score 528; DB 14; Length 602;  
Best Local Similarity 100.0%; Pred. No. 1.2e-143; Indels 0; Gaps 0;  
Matches 528; Conservative 0;

1 TCGGGGCCGGCCGGGGCGGTGCGCCGCCCCCTACGGCGCAAGCAGCTCTGGCCG 60

**RESULT 4**  
US-10-147-463-5  
Sequence 5, Application US/10147463  
Publication No. US20030059838A1  
**GENERAL INFORMATION:**  
APPLICANT: ARIYASU, Toshi<sup>o</sup>  
ORITA, Kunzo  
NAKAMURA, Shuji  
TITLE OF INVENTION: HEDGEHOG PROTEIN  
NUMBER OF SEQUENCES: 31  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BROWDY AND NEIMARK  
STREET: 419 Seventh Street N.W., Ste. 300  
CITY: Washington  
STATE: D.C.  
COUNTRY: United States of America  
ZIP: 20004  
**COMPUTER READABLE FORM:**  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
**CURRENT APPLICATION DATA:**  
APPLICATION NUMBER: US/10/147,463  
FILING DATE: 17-May-2002  
**PRIOR APPLICATION DATA:**  
ATTORNEY/AGENT INFORMATION:  
NAME: Browdy, Roger L.  
REGISTRATION NUMBER: 25, 618  
REFERENCE/DOCKET NUMBER: ARIYASU=1  
**TELECOMMUNICATION INFORMATION:**  
TELEPHONE: (202) 628-5197  
TELEFAX: (202) 737-35281  
**INFORMATION FOR SEQ ID NO: 8:**  
SEQUENCE CHARACTERISTICS:  
LENGTH: 602 base pairs  
TYPE: nucleic acid  
STRANDBNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
ORIGINAL SOURCE:  
ORGANISM: human  
INDIVIDUAL ISOLATE: ARH-77, ATCC CRL-1621  
**FEATURE:**  
NAME / KEY: 819 peptide  
LOCATION: 1..6  
IDENTIFICATION METHOD: S  
SEQUENCE DESCRIPTION: SEQ ID NO: 8:  
US-10-147-463-8

Query Match 100.0% Score 528; DB 14; Length 602;  
Best Local Similarity 100.0%; Pred. No. 1.2e-143; Indels 0; Gaps 0;  
Matches 528; Conservative 0;

1 TCGGGGCCGGCCGGGGCGGTGCGCCGCCCCCTACGGCGCAAGCAGCTCTGGCCG 60









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RESULT 13
US-10-294-036-8
; Sequence 8, Application US/10294036
; Publication No. US2003022024A1
; GENERAL INFORMATION:
; APPLICANT: Warzcha, Joerg
; TITLE OF INVENTION: HEDGEHOG SIGNALING PROMOTES THE FORMATION OF THREE DIMENSIONAL C
; TITLE OF INVENTION: MATRICES, METHODS AND COMPOSITIONS RELATED THERETO
; FILE REFERENCE: CIBT-P01-123
; CURRENT APPLICATION NUMBER: US/10/294, 036
; CURRENT FILING DATE: 2005-11-13
; PRIORITY APPLICATION NUMBER: 60/50, 594
; PRIOR FILING DATE: 2001-11-13
; NUMBER OF SEQ ID NOS: 27
; SEQ ID NO 8
; LENGTH: 1190
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-294-036-8

Query Match      98.5%; Score 520; DB 17; Length 1190;
Best Local Similarity 99.1%; Pred. No. 2.7e-141; Matches 523; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
Matches 523; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

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Db    67 TGCAGGCCGCGCCGCGGGCGGTGGCTGGCGCAGAGCTGGCG 126
QY   61 CTACTCTACAGCAATTGGCGCCGGCGGTGGCTGGCGCAGAGCTGGCG 120
Db   127 CTACTCTACAGCAATTGGCGCCGGCGGTGGCTGGCGCAGAGCTGGCG 186
QY   121 GCGGAGGGAGGGTGGCGAGGGCTGGCGAGGGCTGGCGAGGGCTGGCGCAGAGCTGGCG 180
Db   187 GCGGAGGGAGGGTGGCGAGGGCTGGCGAGGGCTGGCGAGGGCTGGCGCAGAGCTGGCG 246
QY   181 CCCGACATCATCTCAAGGGTAGGAGAACAGTGAGCCGGCTGGCG 240
Db   247 CCCGACATCATCTCAAGGGTAGGAGAACAGTGAGCCGGCTGGCG 306
QY   241 TGTAGGAACGGGTTAACGGTTGGCGATGGCGATGACATGGCGCGAGGGCTGGCG 300
Db   307 TGCAGGAGGGTGGCGAACGGCTGGCGATGACATGGCGCGAGGGCTGGCG 366
QY   301 CTACAGGTGACTGAGGGCTGGCGACGGGCCAACGGTCACTCCACTAC 360
Db   367 CTACAGGTGACTGAGGGCTGGCGACGGGCCAACGGTCACTCCACTAC 426
Db   367 CTACAGGTGACTGAGGGCTGGCGACGGGCCAACGGTCACTCCACTAC 426
QY   361 GAAGGCCGCGCTGGCGACATGGCGATGACATGGCGCGAGGGCTGGCG 420
Db   427 GAAGGCCGCGCTGGCGACATGGCGATGACATGGCGCGAGGGCTGGCG 486
QY   421 GCGGCCCTCGAGGTGAGGGCTGGCGACGGGCCAACGGTCACTCCACTAC 480
Db   427 GCGGCCCTCGAGGTGAGGGCTGGCGACGGGCCAACGGTCACTCCACTAC 486
QY   481 CACGNGTCGCTGAAAGCTGATTAACCTACTCGCTGAGCCGACGGCTGGCG 528
Db   547 CACGNGTCGCTGAAAGCTGATTAACCTACTCGCTGAGCCGACGGCTGGCG 594

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Job time : 339 sec

BB 547 3

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594

RESULT 15  
 US-10-665-923-8  
 Sequence B, Application US/10665923  
 Publication No. US20040220056A1  
 GENERAL INFORMATION:  
 APPLICANT: Galdees, Alphonse  
 APPLICANT: Mahanthappa, Nagesh  
 TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING DISORDERS INVOLVING  
 FILE REFERENCE: BIV-069-02  
 CURRENT APPLICATION NUMBER: US/10-665,923  
 PRIOR APPLICATION NUMBER: 09/238,243  
 PRIOR FILING DATE: 1999-01-27  
 PRIORITY NUMBER: 09/238,243  
 NUMBER OF SEQ ID NOS: 32  
 SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO 8  
 LENGTH: 1190  
 TYPE: DNA  
 ORGANISM: Homo sapien  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: (1)..(1190)  
 US-10-665-923-8  
 Query Match 98.5%; Score 520; DB 18; Length 1190;  
 Best Local Similarity 99.1%; pred. No. 2.7e-141;  
 Matches 523; Conservative 0; Mismatches 5; Indels 0; Gaps 0  
 Qy 1 TCGGCCGCCGCCGCCGCCGGGGCGCTGGCCCGCGCCGCTATGGGCCAAGCAGCTGTGCG 60  
 Db 67 TGGCGCGCCGGCGGGCGCCGGTGGCCGGCGCCGCTATGGGCCAAGCAGCTGTGCG 126  
 Qy 61 CTACTCTACAGCAATTGGCCCGCGCTTGGAGGGGACCTTGGCCCAAGGG 1200  
 Db 127 CTACTCTACAGCAATTGGCCCGCGCTTGGAGGGGACCTTGGCCCAAGGG 186  
 Qy 121 GCGGAGGGAGGGTGGCAAGGGGCTCGAGGGCTTCGGGGACACTTGCGCA 1800  
 Db 187 GCGGAGGGAGGGTGGCAAGGGGCTCGAGGGCTTCGGGGACCTTGGCCCAACTACAC 246  
 Qy 181 CCCGACATCATCTTCAAGGTGAGGAGAACAGTGAGGGACCCCTATGACCAAGT 240  
 Db 247 CCCGACATCATCTTCAAGGTGAGGAGAACAGTGAGGGACCCCTATGACCAAGT 306  
 Qy 241 TGTAAAGAACGGTGAGCGTTGGCCATGCGCTGATGACACATGTGCGGGAGTGCGC 3000  
 Db 3.07 TGCAGGGAGGGTGAGGTGTTGCCATTCGGCTGATGACACATGTGCGGGAGTGCGC 366  
 Qy 301 CTACAGGTGACTGAGGCGCTGGGACAGGAGGCCAACAGCTCAGGTTCACTAC 3600  
 Db 367 CTACAGGTGACTGAGGCGCTGGGACAGGAGGCCAACACCTCAGGTTCACTAC 426  
 Qy 3.61 GAAGGCGCTTGGACATCACTGGCTGACCGGACGCCAACAGTAGTGGGTGCTG 4200  
 Db 427 GAAGGCGCTTGGACATCACTGGCTGACGCCAACAGTAGTGGGTGCTG 486  
 Db 421 GCGCGCTCGCAGTGGAGGCCAACAGCTGCGGCTTCACTACAGGTCCGGCAACCAC 4800  
 Qy 487 GCGCGCTCGCAGTGGAGGCCAACAGCTGCGGCTTCACTACAGGTCCGGCAACCAC 546  
 Db 481 CACGTTGCGCTTCAAGCTGATAACTCTACTGGGCTTCACTACAGGTCCGGCAACCAC 528  
 Qy 547 CACGTTGCGCTTCAAGCTGATACTCTACTGGGCTTCACTACAGGTCCGGCAACCAC 594

Search completed: February 21, 2005, 10:47:22

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OM protein - Protein search, using SW model  
Run on: February 16, 2005, 12:48:03 ; Search time 129 Second<sup>b</sup>  
Sequence: (without alignments)  
Scoring table: BLOSUM62  
Gapext 10.0 , Gapext 0.5  
Searched: 1376875 seqs., 326749119 residues  
Total number of hits satisfying chosen parameters: 1376875  
Minimum DB seq length: 0  
Maximum DB seq length: 200000000  
Post-processing: Minimum Match 0<sup>c</sup>  
Listing First 45 summaries

Database :	Published Applications AA: <sup>d</sup>
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2:	/cgn2_6/ptodata/2/pubpaa/us07_NEW_PUB.pep:*
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11:	/cgn2_6/ptodata/2/pubpaa/us09C_PUBCOMB.pep:*
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14:	/cgn2_6/ptodata/2/pubpaa/us10B_PUBCOMB.pep:*
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18:	/cgn2_6/ptodata/2/pubpaa/us11_NEW_PUB.pep:*
19:	/cgn2_6/ptodata/2/pubpaa/us60_NEWM_PUB.pep:*
20:	/cgn2_6/ptodata/2/pubpaa/us60_PUBCOMB.pep:*

<sup>b</sup>pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

**SUMMARIES**

Result No.	Score	Query Match Length	DB ID	Description
1	937	100.0	176	14 US-10-147-463-1
2	937	374	14	US-10-147-463-1
3	937	100.0	396	14 US-10-147-463-3
4	936	99.9	176	10 US-09-883-848A-25
5	936	99.9	175	14 US-10-164-282-4
6	936	99.9	176	15 US-10-294-036-27
7	936	99.9	176	15 US-10-244-095A-25
8	936	99.9	395	8 US-09-900-220C-17
9	936	99.9	396	9 US-09-151-999-17
10	936	99.9	396	10 US-09-883-848A-17
11	936	99.9	395	10 US-09-187-387-17
12	936	99.9	396	10 US-09-827-110-17
13	936	99.9	396	10 US-09-845-025C-17

<sup>c</sup>RESULT 1  
US-10-147-463-1  
; Sequence 1, Application US/10147463  
; Publication No. US20030059838A1  
; GENERAL INFORMATION:  
; APPLICANT: ARIYASU, Toshiro  
; NAKAMURA, Shuji  
; ORITA, Kunzo  
TITLE OF INVENTION: HEDGEHOG PROTEIN  
NUMBER OF SEQUENCES: 31  
CORRESPONDENCE ADDRESS:  
ADRESSEER: BROWDY AND NEIMARK  
STREET: 419 Seventh Street N.W., Ste. 300  
CITY: Washington  
STATE: D.C.  
COUNTRY: United States of America  
ZIP: 20004  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/147,463  
FILING DATE: 17-MAY-2002  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: US/09-617,545  
FILING DATE: 14-JUL-2000  
APPLICATION NUMBER: 09/063,778  
FILING DATE: <Unknown>  
APPLICATION NUMBER: JP 98-  
FILING DATE: 14-APR-1998  
ATTORNEY/AGENT INFORMATION:  
NAME: Browdy, Roger L.  
REGISTRATION NUMBER: 25,618  
REFERENCE/DOCKET NUMBER: ARIYASU=1

| Sequence 17, Appl    |
|-------------------|-------------------|-------------------|-------------------|----------------------|
| 14                | 936               | 99.9              | 396               | 10 US-09-511-939-17  |
| 15                | 936               | 99.9              | 396               | 10 US-09-238-242-17  |
| 16                | 936               | 99.9              | 396               | 11 US-09-795-917-17  |
| 17                | 936               | 99.9              | 395               | 15 US-10-944-056-17  |
| 18                | 936               | 99.9              | 396               | 15 US-10-244-095A-17 |
| 19                | 936               | 99.9              | 396               | 15 US-10-235-107-40  |
| 20                | 936               | 99.9              | 396               | 16 US-10-652-298A-17 |
| 21                | 936               | 99.9              | 396               | 16 US-10-727-195-17  |
| 22                | 929               | 99.1              | 396               | 9 US-09-244-466-2    |
| 23                | 920               | 98.2              | 396               | 15 US-10-94-036-21   |
| 24                | 920               | 98.2              | 396               | 8 US-08-900-220G-11  |
| 25                | 920               | 98.2              | 396               | 8 US-08-954-771-9    |
| 26                | 920               | 98.2              | 396               | 8 US-08-462-386D-9   |
| 27                | 920               | 98.2              | 396               | 9 US-09-021-660A-35  |
| 28                | 920               | 98.2              | 396               | 9 US-09-151-999-11   |
| 29                | 920               | 98.2              | 396               | 9 US-09-930-046-13   |
| 30                | 920               | 98.2              | 396               | 10 US-09-733-634-22  |
| 31                | 920               | 98.2              | 396               | 10 US-09-833-844A-11 |
| 32                | 920               | 98.2              | 396               | 10 US-09-87-387-11   |
| 33                | 920               | 98.2              | 396               | 10 US-09-827-110-11  |
| 34                | 920               | 98.2              | 396               | 10 US-09-515-028C-11 |
| 35                | 920               | 98.2              | 396               | 10 US-09-51-939-11   |
| 36                | 920               | 98.2              | 396               | 10 US-09-738-243-11  |
| 37                | 920               | 98.2              | 396               | 10 US-09-736-476-9   |
| 38                | 920               | 98.2              | 396               | 11 US-09-935-917-11  |
| 39                | 920               | 98.2              | 396               | 15 US-10-294-056-11  |
| 40                | 920               | 98.2              | 396               | 15 US-10-44-095A-11  |
| 41                | 920               | 98.2              | 396               | 15 US-10-56-934-14   |
| 42                | 920               | 98.2              | 396               | 15 US-10-11-267-14   |
| 43                | 920               | 98.2              | 396               | 16 US-10-652-298A-11 |
| 44                | 920               | 98.2              | 396               | 16 US-10-227-195-11  |
| 45                | 920               | 98.2              | 396               | 16 US-10-772-090-35  |

<sup>d</sup>ALIGNMENTS

TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (202) 628-5197  
 TELEFAX: (202) 737-35281  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 176 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 MOLECULE TYPE: protein  
 TOPOLogy: linear  
 FEATURE:  
 NAME/KEY: mat peptide  
 LOCATION: 1..176  
 IDENTIFICATION METHOD: S  
 SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
 ;US-10-147-463-1  
 Query Match 100.0%; Score 937; DB 14; Length 176;  
 Best Local Similarity 100.0%; Pred. No. 4e-95; Mismatches 0; Indels 0; Gaps 0;  
 Matches 176; Conservative 0; MisMatches 0;  
 QY 1 CGPORGPGVRRYARKQLVPLLYQKFVPGVPERTLGASGPAEGRVARGSERFRFLDLPVN 60  
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 RESULT 2  
 US-10-147-463-2  
 Sequence 2, Application US/10147463  
 Publication No. US20030059838A1  
 GENERAL INFORMATION:  
 APPLICANT: ARIYASU, Toshio  
 NAKAMURA, Shuji  
 ORITA, Kunzo  
 TITLE OF INVENTION: HEDGEHOG PROTEIN  
 NUMBER OF SEQUENCES: 31  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: BROWDY AND NEIMARK  
 STREET: 419 Seventh Street N.W., Ste. 300  
 CITY: Washington  
 STATE: D.C.  
 COUNTRY: United States of America  
 ZIP: 20004  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/10/147,463  
 FILING DATE: 17-May-2002  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: US/09/617,545  
 FILING DATE: 14-Jul-2000  
 APPLICATION NUMBER: 09/063,778  
 FILING DATE: <Unknown>  
 APPLICATION NUMBER: JP 98-  
 FILING DATE: 14-APR-1998  
 APPLICATION NUMBER: JP 98-  
 FILING DATE: 14-APR-1998  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Browdy, Roger L.  
 REGISTRATION NUMBER: 25,618  
 REFERENCE/DOCKET NUMBER: ARIYASU=1  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (202) 628-5197  
 TELEFAX: (202) 737-35281  
 INFORMATION FOR SEQ ID NO: 2:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 396 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 MOLECULE TYPE: protein  
 TOPOLogy: linear  
 FEATURE:  
 NAME/KEY: mat peptide  
 LOCATION: 1..396  
 IDENTIFICATION METHOD: S  
 SEQUENCE DESCRIPTION: SEQ ID NO: 2:  
 ;US-10-147-463-2  
 Query Match 100.0%; Score 937; DB 14; Length 374;  
 Best Local Similarity 100.0%; Pred. No. 1.1e-94; Mismatches 0; Indels 0; Gaps 0;  
 Matches 176; Conservative 0; MisMatches 0;  
 QY 1 CGPORGPGVRRYARKQLVPLLYQKFVPGVPERTLGASGPAEGRVARGSERFRFLDLPVN 60  
 Db 1 CGPORGPGVRRYARKQLVPLLYQKFVPGVPERTLGASGPAEGRVARGSERFRFLDLPVN 60  
 QY 61 PDIFKDBENSGADRMLTERRCKERKVNLALIAVMNNWPGVLRVTEGMWEDGHQAQDSHLY 120  
 Db 61 PDIFKDBENSGADRMLTERRCKERKVNLALIAVMNNWPGVLRVTEGMWEDGHQAQDSHLY 120  
 QY 121 EGRALDITTSDRDRNKGGLLARLAVAGEGDWVYTESRNHHHVSVKAIDNSLAVERGG 176  
 Db 121 EGRALDITTSDRDRNKGGLLARLAVAGEGDWVYTESRNHHHVSVKAIDNSLAVERGG 176  
 RESULT 3  
 US-10-147-463-3  
 Sequence 3, Application US/10147463  
 Publication No. US20030059838A1  
 GENERAL INFORMATION:  
 APPLICANT: ARIYASU, Toshio  
 NAKAMURA, Shuji  
 ORITA, Kunzo  
 TITLE OF INVENTION: HEDGEHOG PROTEIN  
 NUMBER OF SEQUENCES: 31  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: BROWDY AND NEIMARK  
 STREET: 419 Seventh Street N.W., Ste. 300  
 CITY: Washington  
 STATE: D.C.  
 COUNTRY: United States of America  
 ZIP: 20004  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/10/147,463  
 FILING DATE: 17-May-2002  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: US/09/617,545  
 FILING DATE: 14-Jul-2000  
 APPLICATION NUMBER: 09/063,778  
 FILING DATE: <Unknown>  
 APPLICATION NUMBER: JP 98-  
 FILING DATE: 14-APR-1998  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Browdy, Roger L.  
 REGISTRATION NUMBER: 25,618  
 REFERENCE/DOCKET NUMBER: ARIYASU=1  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (202) 628-5197  
 TELEFAX: (202) 737-35281  
 INFORMATION FOR SEQ ID NO: 3:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 396 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 MOLECULE TYPE: protein

FEATURE:  
NAME/KEY: mat peptide

LOCATION: -22..-1

IDENTIFICATION METHOD: S

SEQUENCE DESCRIPTION: SEQ ID NO: 3:

US-10-147-463-3

Query Match 100.0%; Score 937; DB 14; Length 396;  
Best Local Similarity 100.0%; Pred. No. 1..2e-94; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGPGRGPVGRRYARKQLVPLYKQFVPGPERTLGASGPAGRGRSRFRDLVPPNTN 60  
Db 23 CGPGRGPVGRRYARKQLVPLYKQFVPGPERTLGASGPAGRGRSRFRDLVPPNTN 82

QY 61 PDIFPKDEENSGADRMLTERRCKERVNLAIAVMNNWPGVRLRVTEGWDEGHQAQDSLY 120

Db 83 PDIFPKDEENSGADRMLTERRCKERVNLAIAVMNNWPGVRLRVTEGWDEGHQAQDSLY 142

QY 121 EGRALDITTSDRDRNKYGLARLAVAGEFDWVYTESRNHHVHSVKADNSLAVRAGG 176

Db 143 EGRALDITTSDRDRNKYGLARLAVAGEFDWVYTESRNHHVHSVKADNSLAVRAGG 198

RESULT 4  
US 09-883-848A-25

Sequence 25, Application US/09883848A

Publication No. US20030022819A1

GENERAL INFORMATION:

APPLICANT: Ling, L.

TITLE OF INVENTION: ANGIOGENESIS-MODULATING COMPOSITIONS AND USES

FILE REFERENCE: CIBT-P01-119

CURRENT APPLICATION NUMBER: US/09/883,848A

CURRENT FILING DATE: 2001-06-18

PRIOR APPLICATION NUMBER: 60/231,919

PRIOR FILING DATE: 2000-06-16

NUMBER OF SEQ ID NOS: 48

SOFTWARE: Patentin Ver. 2.1

SEQ ID NO: 25

LENGTH: 176

TYPE: PRT

ORGANISM: Homo sapiens

US-09-883-848A-25

Query Match 99.9%; Score 936; DB 10; Length 176;

Best Local Similarity 99.4%; Pred. No. 5..2e-95; Mismatches 0; Indels 0; Gaps 0;

Matches 175; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Query Match 99.9%; Score 936; DB 10; Length 176;

Best Local Similarity 99.4%; Pred. No. 5..2e-95; Mismatches 0; Indels 0; Gaps 0;

Matches 175; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Query Match 99.9%; Score 936; DB 15; Length 176;

Best Local Similarity 99.4%; Pred. No. 5..2e-95; Mismatches 0; Indels 0; Gaps 0;

Matches 175; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Query Match 99.9%; Score 936; DB 15; Length 176;

Best Local Similarity 99.4%; Pred. No. 5..2e-95; Mismatches 0; Indels 0; Gaps 0;

Matches 175; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Query Match 99.9%; Score 936; DB 15; Length 176;

Best Local Similarity 99.4%; Pred. No. 5..2e-95; Mismatches 0; Indels 0; Gaps 0;

Matches 175; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Query Match 99.9%; Score 936; DB 15; Length 176;

Best Local Similarity 99.4%; Pred. No. 5..2e-95; Mismatches 0; Indels 0; Gaps 0;

Matches 175; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Query Match 99.9%; Score 936; DB 15; Length 176;

Best Local Similarity 99.4%; Pred. No. 5..2e-95; Mismatches 0; Indels 0; Gaps 0;

Matches 175; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

RESULT 5  
US-10-164-282-4

Sequence 4, Application US/10164282

Publication No. US20030166543A1

GENERAL INFORMATION:

APPLICANT: Williams et al.

TITLE OF INVENTION: FUNCTIONAL ANTAGONISTS OF HEDGEHOG ACTIVITY

FILE REFERENCE: CIBT-F02-113

CURRENT APPLICATION NUMBER: US/10/164,282

CURRENT FILING DATE: 2002-06-05

PRIOR APPLICATION NUMBER: 09/890,975

RESULT 6  
US-10-294-036-27

Sequence 27, Application US/10294036

Publication No. US20030220244A1

GENERAL INFORMATION:

APPLICANT: Warzecza, Joerg

TITLE OF INVENTION: HEDGEHOG SIGNALING PROMOTES THE FORMATION OF THREE DIMENSIONAL C

FILE REFERENCE: CIBT-P01-123

CURRENT APPLICATION NUMBER: US/10/294,036

PRIOR APPLICATION NUMBER: 60/350,594

CURRENT FILING DATE: 2002-11-13

PRIOR FILING DATE: 2001-11-13

NUMBER OF SEQ ID NOS: 27

SOFTWARE: Patentin Version 3.1

SEQ ID NO: 27

LENGTH: 176

TYPE: PRT

ORGANISM: Homo sapiens

US-10-294-036-27

Query Match 99.9%; Score 936; DB 15; Length 176;

Best Local Similarity 99.4%; Pred. No. 5..2e-95; Mismatches 0; Indels 0; Gaps 0;

Matches 175; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Query Match 99.9%; Score 936; DB 15; Length 176;

Best Local Similarity 99.4%; Pred. No. 5..2e-95; Mismatches 0; Indels 0; Gaps 0;

Matches 175; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Query Match 99.9%; Score 936; DB 15; Length 176;

Best Local Similarity 99.4%; Pred. No. 5..2e-95; Mismatches 0; Indels 0; Gaps 0;

Matches 175; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Query Match 99.9%; Score 936; DB 15; Length 176;

Best Local Similarity 99.4%; Pred. No. 5..2e-95; Mismatches 0; Indels 0; Gaps 0;

Matches 175; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Query Match 99.9%; Score 936; DB 15; Length 176;

Best Local Similarity 99.4%; Pred. No. 5..2e-95; Mismatches 0; Indels 0; Gaps 0;

Matches 175; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Query Match 99.9%; Score 936; DB 15; Length 176;

Best Local Similarity 99.4%; Pred. No. 5..2e-95; Mismatches 0; Indels 0; Gaps 0;

Matches 175; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Query Match 99.9%; Score 936; DB 15; Length 176;

Best Local Similarity 99.4%; Pred. No. 5..2e-95; Mismatches 0; Indels 0; Gaps 0;

Matches 175; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Query Match 99.9%; Score 936; DB 15; Length 176;

Best Local Similarity 99.4%; Pred. No. 5..2e-95; Mismatches 0; Indels 0; Gaps 0;

Matches 175; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Query Match 99.9%; Score 936; DB 15; Length 176;

Best Local Similarity 99.4%; Pred. No. 5..2e-95; Mismatches 0; Indels 0; Gaps 0;

Matches 175; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Query Match 99.9%; Score 936; DB 15; Length 176;

Best Local Similarity 99.4%; Pred. No. 5..2e-95; Mismatches 0; Indels 0; Gaps 0;

Matches 175; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

RESULT 7  
US-10-244-095A-25

Sequence 25, Application US/10244095A

Publication No. US20040038876A1

GENERAL INFORMATION:

APPLICANT: Pepinsky, Blake R.

APPENDIX: Taylor, Frederick

APPLICANT: Garber, Ellen A.

TITLE OF INVENTION: POLYMER CONJUGATES OF HEDGEHOG PROTEINS AND USES

FILE REFERENCE: CIBT-F02-113

CURRENT APPLICATION NUMBER: US/10/164,282

CURRENT FILING DATE: 2002-06-05

PRIOR APPLICATION NUMBER: 09/890,975

RESULT 8  
US-10-244-095A-25

Sequence 25, Application US/10244095A

Publication No. US20040038876A1

GENERAL INFORMATION:

APPLICANT: Williams et al.

TITLE OF INVENTION: FUNCTIONAL ANTAGONISTS OF HEDGEHOG ACTIVITY

FILE REFERENCE: CIBT-F02-113

CURRENT APPLICATION NUMBER: US/10/164,282

CURRENT FILING DATE: 2002-06-05

PRIOR APPLICATION NUMBER: 09/890,975

FILE REFERENCE: CIBT-PO1-117  
 CURRENT APPLICATION NUMBER: US/10/244,095A  
 CURRENT FILING DATE: 2002-09-12  
 PRIORITY APPLICATION NUMBER: PCT/US0/14741  
 PRIORITY FILING DATE: 2000-05-26  
 PRIORITY APPLICATION NUMBER: 60/149,016  
 PRIORITY FILING DATE: 1999-08-13  
 PRIORITY APPLICATION NUMBER: 60/137,011  
 PRIORITY FILING DATE: 1999-06-01  
 NUMBER OF SEQ ID NOS: 47  
 SOFTWARE: PatentIn Ver. 2.1  
 SEQ ID NO: 25  
 LENGTH: 176  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-10-244-095A-25

Query Match 99.4%; Score 936; DB 15; Length 176;  
 Best Local Similarity 99.4%; Pred. No. 5\_2e-95;  
 Matches 175; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CGPRGRGPGRRYARKKOLVPLIYQFPGVPERLTGASGPAGRVARGSERPDLVYN 60  
 Db 1 CGPRGRGPGRRYARKKOLVPLIYQFPGVPERLTGASGPAGRVARGSERPDLVYN 60

Qy 61 PDTIKDRENSGADRMLTERCKERKERNALIAAVMMWPGVRURVTEGMDGHQAQDSLY 120  
 Db 61 PDTIKDRENSGADRMLTERCKERKERNALIAAVMMWPGVRURVTEGMDGHQAQDSLY 120

Qy 121 EGRALDITTSDRDRNKGILLARLAVEGAFCDFDWVYTESRNVHVKADNSLAVERAGG 176  
 Db 121 EGRALDITTSDRDRNKGILLARLAVEGAFCDFDWVYTESRNVHVKADNSLAVERAGG 176

RESULT 8  
 US-08-00-220C-17

Sequence 17, Application US/08900220C  
 Publication No. US20020045206A1  
 GENERAL INFORMATION:  
 APPLICANT: Wang, Ningning  
 APPLICANT: Miao, Ningning  
 APPLICANT: Wang, Monica  
 APPLICANT: Mahanthappa, Nagesh K.  
 APPLICANT: Jin, Ping  
 TITLE OF INVENTION: Method of Treating Dopaminergic and GABAergic Disorders  
 NUMBER OF SEQUENCES: 32  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: FOLEY, HOAG & ELOOT LLP  
 STREET: ONE POST OFFICE SQUARE  
 CITY: BOSTON  
 STATE: MA  
 COUNTRY: USA  
 ZIP: 02109

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC Compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: ASCII (text)  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/900,220C  
 FILING DATE: 24-JUL-1997  
 CLASSIFICATION: <Unknown>  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Vincent, Matthew P.  
 REGISTRATION NUMBER: 35,709  
 REFERENCE/DOCKET NUMBER: ONV-044.01  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (617) 832-7000  
 INFORMATION FAX: (617) 832-7000  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 396 amino acids

RESULT 9  
 US-09-151-99-17

Sequence 17, Application US/09151999  
 Patent No. US20020151460A1  
 GENERAL INFORMATION:  
 APPLICANT: Wang, Elizabeth  
 TITLE OF INVENTION: REGULATION OF EPITHELIAL TISSUE BY HEDGEHOG-LIKE POLYPEPTIDES, AND FORMULATIONS AND USES RELATED THERETO  
 FILE REFERENCE: QMY-031.0  
 CURRENT APPLICATION NUMBER: US/09/151,999  
 EARLIER APPLICATION NUMBER: 08/455,552  
 CURRENT FILING DATE: 1998-08-11  
 EARLIER FILING DATE: 1997-10-20  
 NUMBER OF SEQ ID NOS: 28  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO: 17  
 LENGTH: 396  
 TYPE: PRT  
 ORGANISM: Homo sapien Dm

US-09-151-999-17

Query Match 99.4%; Score 936; DB 9; Length 396;  
 Best Local Similarity 99.4%; Pred. No. 1\_6e-94;  
 Matches 175; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CGPRGRGPGRRYARKKOLVPLIYQFPGVPERLTGASGPAGRVARGSERPDLVYN 60  
 Db 23 CGPRGRGPGRRYARKKOLVPLIYQFPGVPERLTGASGPAGRVARGSERPDLVYN 82

Qy 61 PDTIKDRENSGADRMLTERCKERKERNALIAAVMMWPGVRURVTEGMDGHQAQDSLY 120  
 Db 83 PDTIKDRENSGADRMLTERCKERKERNALIAAVMMWPGVRURVTEGMDGHQAQDSLY 142

RESULT 10  
 US-09-883-848A-17

Sequence 17, Application US/09883848A  
 Publication No. US20030022819A1  
 GENERAL INFORMATION:  
 APPLICANT: Ling, L.  
 APPLICANT: Sanicola-Nadel, M.

TITLE OF INVENTION: ANGIOGENESIS-MODULATING COMPOSITIONS AND USES  
 FILE REFERENCE: CIBT-PO1-119  
 CURRENT APPLICATION NUMBER: US/09/883,848A  
 CURRENT FILING DATE: 2001-06-18  
 PRIOR APPLICATION NUMBER: 60/211,919

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; PRIORITY FILING DATE: 2000-06-16
; NUMBER OF SEQ ID NOS: 48
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 17
; LENGTH: 396
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-883-848A-17

Query Match 99.9%; Score 936; DB 10; Length 396;
Best Local Similarity 99.4%; Pred. No. 1.6e-94; 1; Mismatches 0; Indels 0; Gaps 0;
Matches 175; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

RESULT 11
US-09-187-387-17
; Sequence 17, Application US/09187387
; Publication No. US2003008324A1
; GENERAL INFORMATION:
; APPLICANT: Galdeas, Alphonse
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING OR PREVENTING
; TITLE OF INVENTION: PERIPHERAL NEUROPATHIES
; FILE REFERENCE: ONV-052-01
; CURRENT APPLICATION NUMBER: US/09/187,387
; CURRENT FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 17
; LENGTH: 396
; TYPE: PRT
; ORGANISM: human Dhh
; US-09-187-387-17

Query Match 99.9%; Score 936; DB 10; Length 396;
Best Local Similarity 99.4%; Pred. No. 1.6e-94; 0; Indels 0; Gaps 0;
Matches 175; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

RESULT 12
US-09-827-110-17
; Sequence 17, Application US/09827110
; Publication No. US2003104970A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Elizabeth
; TITLE OF INVENTION: REGULATION OF EPITHELIAL TISSUE BY HEDGEHOG-LIKE
; TITLE OF INVENTION: POLYPEPTIDES, AND FORMULATIONS AND USES RELATED THERETO
; FILE REFERENCE: ONV-031-02
; CURRENT APPLICATION NUMBER: US/09/827,110

Query Match 99.9%; Score 936; DB 10; Length 396;
Best Local Similarity 99.4%; Pred. No. 1.6e-94; 0; Indels 0; Gaps 0;
Matches 175; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

RESULT 13
US-09-945-025C-17
; Sequence 17, Application US/09845025C
; Publication No. US2003104995A1
; GENERAL INFORMATION:
; APPLICANT: Reilly, J.
; TITLE OF INVENTION: NEUROPROTECTIVE METHODS AND COMPOSITIONS
; FILE REFERENCE: CIET-PO1-098
; CURRENT APPLICATION NUMBER: US/09/845, 025C
; CURRENT FILING DATE: 2001-04-27
; PRIORITY APPLICATION NUMBER: 60/200, 765
; PRIORITY FILING DATE: 2000-04-28
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 17
; LENGTH: 396
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-845-025C-17

Query Match 99.9%; Score 936; DB 10; Length 396;
Best Local Similarity 99.4%; Pred. No. 1.6e-94; 0; Indels 0; Gaps 0;
Matches 175; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

RESULT 14
US-09-451-939-17
; Sequence 17, Application US/09451939
; Publication No. US20031019729A1
; GENERAL INFORMATION:
; APPLICANT: Miao, Ningning
; APPLICANT: Wang, Monica
; APPLICANT: Mahanthappa, Nagesh K.

Query Match 99.9%; Score 936; DB 10; Length 396;
Best Local Similarity 99.4%; Pred. No. 1.6e-94; 0; Indels 0; Gaps 0;
Matches 175; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

RESULT 15
US-09-827-110-17
; Sequence 17, Application US/09827110
; Publication No. US2003104970A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Elizabeth
; TITLE OF INVENTION: REGULATION OF EPITHELIAL TISSUE BY HEDGEHOG-LIKE
; TITLE OF INVENTION: POLYPEPTIDES, AND FORMULATIONS AND USES RELATED THERETO
; FILE REFERENCE: ONV-031-02
; CURRENT APPLICATION NUMBER: US/09/827,110

Query Match 99.9%; Score 936; DB 10; Length 396;
Best Local Similarity 99.4%; Pred. No. 1.6e-94; 0; Indels 0; Gaps 0;
Matches 175; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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APPLICANT: Jin, Ping  
APPLICANT: Pang, Kevin  
TITLE OF INVENTION: Method of Treating Dopaminergic and GABA-nergic Disorders

NUMBER OF SEQUENCES: 22  
CORRESPONDENCE ADDRESS:  
ADDRESS: FOLEY, HOAG & ELIOT LLP  
STREET: ONE POST OFFICE SQUARE  
CITY: BOSTON  
STATE: MA  
COUNTRY: USA  
ZIP: 02109

COMPUTER READABLE FORM:  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ACIL (text)  
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/451, 939  
FILING DATE: CLASSIFICATION:  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: US 08/900, 220  
ATTORNEY/AGENT INFORMATION:  
NAME: Vincent, Matthew P.  
REGISTRATION NUMBER: 36,709  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 832-1000  
TELEFAX: (617) 832-7000

SEQUENCE CHARACTERISTICS:  
LENGTH: 396 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULAR TYPE: protein

US-09-451-939-17

Query Match 99.9%; Score 936; DB 10; Length 396;  
Best Local Similarity 99.4%; Pred. No. 1 6e-94; Mismatches 0; Indels 0; Gaps 0;  
Matches 175; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGPGRGPVGRYYARKQVLPVLYQFPVGVPERTIGASGPAGRVARGSERFRDLVYN 60  
Db 23 CGPGRGPVGRYYARKQVLPVLYQFPVGVPERTIGASGPAGRVARGSERFRDLVYN 82  
QY 61 PDIFKDEENSGADRMLTBRCCRVERNVALIAVAMMMPGVRLAVTEGKEDGHAQDSLY 120  
Db 83 PDIFKDEENSGADRMLTBRCCRVERNVALIAVAMMMPGVRLAVTEGKEDGHAQDSLY 142  
QY 121 EGRALDITTSDRDNKGILLARLAVEGFDWYYESRNHIVSKADNSLAVRAGG 176  
Db 143 EGRALDITTSDRDNKGILLARLAVEGFDWYYESRNHIVSKADNSLAVRAGG 198

Query Match 99.9%; Score 936; DB 10; Length 396;  
Best Local Similarity 99.4%; Pred. No. 1 6e-94; Mismatches 0; Indels 0; Gaps 0;  
Matches 175; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGPGRGPVGRYYARKQVLPVLYQFPVGVPERTIGASGPAGRVARGSERFRDLVYN 60  
Db 23 CGPGRGPVGRYYARKQVLPVLYQFPVGVPERTIGASGPAGRVARGSERFRDLVYN 82  
QY 61 PDIFKDEENSGADRMLTBRCCRVERNVALIAVAMMMPGVRLAVTEGKEDGHAQDSLY 120  
Db 83 PDIFKDEENSGADRMLTBRCCRVERNVALIAVAMMMPGVRLAVTEGKEDGHAQDSLY 142  
QY 121 EGRALDITTSDRDNKGILLARLAVEGFDWYYESRNHIVSKADNSLAVRAGG 176  
Db 143 EGRALDITTSDRDNKGILLARLAVEGFDWYYESRNHIVSKADNSLAVRAGG 198

Search completed: February 16, 2005, 13:04:26  
Job time : 130 secs

; ORGANISM: Homo sapien Dhh  
US-09-238-243-17

Query Match	Best Local Similarity	Score	DB	Length
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QY 61 PDIFKDEENSGADRMLTBRCCRVERNVALIAVAMMMPGVRLAVTEGKEDGHAQDSLY				
Db 83 PDIFKDEENSGADRMLTBRCCRVERNVALIAVAMMMPGVRLAVTEGKEDGHAQDSLY				
QY 121 EGRALDITTSDRDNKGILLARLAVEGFDWYYESRNHIVSKADNSLAVRAGG				
Db 143 EGRALDITTSDRDNKGILLARLAVEGFDWYYESRNHIVSKADNSLAVRAGG				

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OM nucleic - nucleic search, using SW model

Run on: February 21, 2005, 03:27:33 ; Search time: 112 Seconds

(without alignment)

7713.876 Million cell updates/sec

Title: US-09-063-778-4

Perfect score: 528

Sequence: 1 TGGCGGCCGCGCCGGGCC.....TGGCGTCGGCGCGCGC 528

Scoring table: IDENTITY\_NUC

GapOp 10.0 , GapExt 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

**Database : Issued Patents NA:\***

1: /cgtn2\_6/pctodata/1/lna/5A\_COMB.seq: \*  
2: /cgtn2\_6/pctodata/1/lna/5B\_COMB.seq: \*  
3: /cgtn2\_6/pctodata/1/lna/6A\_COMB.seq: \*  
4: /cgtn2\_6/pctodata/1/lna/6B\_COMB.seq: \*  
5: /cgtn2\_6/pctodata/1/lna/PCTUS\_COMB.seq: \*  
6: /cgtn2\_6/pctodata/1/lna/backFiles1.seq: \*

Pred. No. 18 the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

**SUMMARIES**

Result No.	Score	Query Length	DB	ID	Description
1	520	98.5	1190	3	US-09-325-256-12
2	520	98.5	1190	4	US-09-704-917-8
3	520	98.5	1190	4	US-09-151-999-8
4	44.8	84.2	1190	1	US-08-176-4278-3
5	44.8	84.2	1190	2	US-08-356-060-2
6	44.8	84.2	1190	3	US-08-460-900-2
7	44.8	84.2	1190	3	US-08-674-5098-2
8	44.8	84.2	1190	3	US-08-954-698-2
9	44.8	84.2	1190	3	US-08-957-874-2
10	44.8	84.2	1190	3	US-09-325-256-6
11	44.8	84.2	1190	4	US-09-639-698-2
12	44.8	84.2	1190	4	US-09-440-188-2
13	44.8	84.2	1190	4	US-09-954-128-2
14	44.8	84.2	1190	4	US-09-704-917-2
15	44.8	84.2	1190	4	US-08-950-740-2
16	44.8	84.2	1190	4	US-09-151-999-2
17	44.8	84.2	1190	4	US-09-736-476-2
18	44.8	84.2	1191	4	US-09-021-660A-2B
19	44.8	84.2	1191	4	US-09-418-221-2
20	297.6	56.4	1622	3	US-09-325-256-11
21	297.6	56.4	1622	4	US-09-704-917-7
22	297.6	56.4	1622	4	US-09-151-999-7
23	297.6	56.4	1622	4	US-09-418-221-7
24	297.6	55.4	1425	2	US-09-356-060A-6
25	292.4	55.4	1425	3	US-08-460-900-6
26	292.4	55.4	1425	3	US-08-674-5098-6
27	292.4	55.4	1425	3	US-08-954-698-6

**ALIGNMENTS**

RESULT 1  
US-09-225-256-12 Application US/09325256

Patent No. 6444193

GENERAL INFORMATION:

APPLICANT: PEPINSKY, R. BLAKE

APPLICANT: BAKER, DARREN P.

APPLICANT: WEN, DINGYI

APPLICANT: WILLIAMS, KEVIN P.

APPLICANT: GARGER, ELLEN A.

APPLICANT: TAYLOR, FREDRICK R.

APPLICANT: GAUDES, ALPHONSE

APPLICANT: PORTER, JEFFREY

TITLE OF INVENTION: HYDROPHOBICALLY-MODIFIED PROTEIN COMPOSITIONS AND METHODS

FILE REFERENCE: BIV-067.01

CURRENT APPLICATION NUMBER: US/09/325, 256

CURRENT FILING DATE: 1999-06-03

PRIOR APPLICATION NUMBER: 60/099, 800

PRIOR FILING DATE: 1998-09-10

PRIOR APPLICATION NUMBER: 60/078, 935

PRIOR FILING DATE: 1998-03-20

PRIOR APPLICATION NUMBER: 60/089, 685

PRIOR FILING DATE: 1998-06-17

PRIOR APPLICATION NUMBER: 60/067, 423

PRIOR FILING DATE: 1991-12-03

PRIOR APPLICATION NUMBER: PCT/US98/25676

PRIOR FILING DATE: 1998-12-03

NUMBER OF SEQ ID NOS: 31

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 12

LENGTH: 1190

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE: CDS

NAME/KEY: CDS

LOCATION: (1)..(1188)

US-09-225-256-12

Query Match 98.5%; Score 520; DB 3; Length 1190; Best Local Similarity 99.1%; Pred. No. 1.8e-130; Matches 523; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY

1 TGCAGGGCCGGCCGGGGGGCGGTATGGCGCAAGCAGCTGTGGCG

Db

67 TGCAGGGCCGGCCGGGGGGCGGTATGGCGCAAGCAGCTGTGGCG

QY

61 CTACTCTACAGGATTTGCGCGCTGCGAGGACACTGGCGCCAGTGCGCA

Db

120 127 CTACTCTACAGGATTTGCGCGCTGCGAGGACACTGGCGCCAGTGCGCA

186

RESULT 2  
US-09-704-917-8  
; Sequence 8, Application US/09704917  
; Patent No. 6615926  
; GENERAL INFORMATION:  
; APPLICANT: Biogen, Inc.  
; APPLICANT: Burkly, Linda  
; APPLICANT: Wang, Li Chun  
; TITLE OF INVENTION: METHODS OF MODULATING LIPID METABOLISM AND STORAGE  
; FILE REFERENCE: A069PCT  
; CURRENT APPLICATION NUMBER: US/09/704, 917  
; CURRENT FILING DATE: 2000-11-02  
; PRIORITY FILING DATE: 1999-03-03  
; PRIORITY APPLICATION NUMBER: 60/1122, 640  
; PRIORITY FILING DATE: 1999-03-15  
; NUMBER OF SEQ ID NOS: 22  
; SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 8  
; LENGTH: 1190  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1)..(1188)  
; US-09-704-917-8

Query Match 98.5%; Score 520; DB 4; Length 1190;  
Best Local Similarity 99.1%; Pred. No. 1..8e-130;  
Matches 523; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 TCGGGCGCCGGCCGGGCGGGTGGCGCGCGCTATGGCGCAAGCGACGCGCTGGCG 60  
Db 67 TCGGGCGCCGGCCGGGGGGTGGCGCGCGCTATGGCGCAAGCGACGCGCTGGCG 126  
QY 61 CTACTCTAACGAAATTGTGGCGCGCGCTGGCGCAAGCGACGCGCTGGCG 120  
Db 127 CTACTCTAACGAAATTGTGGCGCGCGCTGGCGCAAGCGACGCGCTGGCG 186  
QY 121 GCGGAGGGGGGGTGCAAGGGCTCCGAGGACCTGTGGCGCAACTACAC 186  
Db 187 CTACTCTAACGAAATTGTGGCGCGCGCTGGCGCAAGCGACGCGCTGGCG 246  
QY 181 CGGACATCATCTTCAGGGATGGAGAACAGTGAGCGGCCACCTGTGGCG 300  
Db 241 TGTAGGAGGGGGGAAACCTTGGCGATGTCGAGGAGACAGTGAGCGGCCACCTGTGGCG 306  
Db 307 TGCAGGAGGGGGAAACCTTGGCGATGTCGAGGAGACAGTGAGCGGCCACCTGTGGCG 366  
QY 301 CTACGAGTGGAGGTTGGCGATGTCGAGGAGACAGTGAGCGGCCACCTGTGGCG 360  
Db 367 CTACGAGTGGAGGTTGGCGATGTCGAGGAGACAGTGAGCGGCCACCTGTGGCG 426  
QY 361 GAAGCCGCTTGTGACATCACTACTGCTGACGGGAGCGCAAAGTAGATGGTGTG 420  
Db 427 GAAGCCGCTTGTGACATCACTACTGCTGACGGGAGCGCAAAGTAGATGGTGTG 486  
QY 421 GCGGCCCTCAGTGAGCGGCCGCTGACGGGCTACTACGAGTCCCACACATC 480  
Db 487 GCGGCCCTCAGTGAGCGGCCGCTGACGGGCTACTACGAGTCCCACACATC 546  
QY 481 CACGTGTCGTCAGTGGAGCGGGCTTCGAATGGCTACTACGAGTCCCACACATC 528  
Db 547 CACGTGTCGTCAGTGGAGCGGGCTTCGAATGGCTACTACGAGTCCCACACATC 594

RESULT 3  
US-09-151-999-8  
; Sequence 8, Application US/09151999  
; Patent No. 6639051  
; GENERAL INFORMATION:  
; APPLICANT: Wang, Elizabeth  
; TITLE OF INVENTION: REGULATION OF EPITHELIAL TISSUE BY HEDGEHOG-LIKE  
; TITLE OF INVENTION: POLYPEPTIDES, AND FORMULATIONS AND USES RELATED THERETO  
; FILE REFERENCE: OIVN-031-02  
; CURRENT APPLICATION NUMBER: US/09/151, 999  
; CURRENT FILING DATE: 1998-03-11  
; EARLIER APPLICATION NUMBER: 08/955, 552  
; NUMBER OF SEQ ID NOS: 28  
; EARLIER FILING DATE: 1997-10-20  
; SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 8  
; LENGTH: 1190  
; TYPE: DNA  
; ORGANISM: Homo sapien Dhh  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1)..(1188)  
; US-09-151-999-8

Query Match 98.5%; Score 520; DB 4; Length 1190;  
Best Local Similarity 99.1%; Pred. No. 1..8e-130;  
Matches 523; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 TCGGGCGCCGGCCGGGCGGGTGGCGCGCGCTATGGCGCAAGCGACGCGCTGGCG 60  
Db 67 TCGGGCGCCGGCCGGGGGGTGGCGCGCGCTATGGCGCAAGCGACGCGCTGGCG 126  
QY 61 CTACTCTAACGAAATTGTGGCGCGCGCTGGCGCAAGCGACGCGCTGGCG 120  
Db 127 CTACTCTAACGAAATTGTGGCGCGCGCTGGCGCAAGCGACGCGCTGGCG 186  
QY 121 GCGGAGGGGGGGTGCAAGGGCTCCGAGGACCTGTGGCGCAACTACAC 180  
Db 187 GCGGAGGGGGGGTGCAAGGGCTCCGAGGACCTGTGGCGCAACTACAC 246  
QY 181 CGGACATCATCTTCAGGGATGGAGAACAGTGAGCGGCCACCTGTGGCG 240  
Db 241 TGTAGGAGGGGGAAACCTTGGCGATGTCGAGGAGACAGTGAGCGGCCACCTGTGGCG 306  
Db 307 TGCAGGAGGGGGAAACCTTGGCGATGTCGAGGAGACAGTGAGCGGCCACCTGTGGCG 366

QY 301 CTACGAGCTGCTGAGGCCTGGACGAGGGCCACCACTCAGGATCACTCACTC 360  
Db 367 CTAGGAGTACTGAGGTCTGGACGAGGGCCACCACTCAGGATCACTCACTC 426  
QY 361 GAAGGCCGCTCTTGACATCACTAAGTCAGTCTGCGACGCGAACAGTATTGGTTGCG 420  
Db 427 GAAGGCCGCTCTTGACATCACTAAGTCAGTCTGCGACGCGAACAGTATTGGTTGCG 486  
QY 421 GCGGCCCTCAGTGAAAGCGGCTCGACTGGGTCTACTACGAGTCCGCAACACATC 480  
Db 487 GCGGCCCTCAGTGAAAGCGGCTCGACTGGGTCTACTACGAGTCCGCAACACATC 546  
QY 481 CACGTGTCCTCAAGCTGATACTCACTGGGGTCCGGAGGGGG 528  
Db 547 CACGTGTCCTCAAGCTGATACTCACTGGGGTCCGGAGGGGG 594

## RESULT 4

US-08-176-427B-3

; Sequence 3, Application US/08176427B

; Patent No. 578943

; GENERAL INFORMATION:

; APPLICANT: Ingham, Phillip W.

; ATTORNEY/AGENT INFORMATION:

; NAME: Vincent, Matthew P.

; REFERENCE/DOCKET NUMBER: HMI-006

; FILING DATE: 30-DEC-1993

; CLASSIFICATION: 435

; TELEPHONE: (617) 227-7400

; TELEX/FAX: (617) 227-5941

; INFORMATION FOR SEQ ID NO: 3:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1190 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: both

; TOPOLOGY: linear

; MOLECULE TYPE: cDNA

; FEATURE:

; NAME/KEY: CDS

; LOCATION: 1..1191

; US-08-176-427B-3

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TOPLOGY: linear  
 MOLECULE TYPE: cDNA  
 FEATURE: CDS  
 NAME/KEY: CDS  
 LOCATION: 1..1191  
 US-08-356-060A-2

Query Match 84.2%; Score 444.8; DB 2; Length 1190;  
 Best Local Similarity 90.2%; Pred. No. 3.2e-110; Matches 476; Conservative 0; Mismatches 52; Index 0; Gaps 0;

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  QY 1 TGCAGGGCCGGCGGGCGGTGGCCGCGCTATGCCGCGAACGAGCTCTGTGCGC 60
  QY 61 CTACATCTACAGCACTTGCGCTGGCCGAGCGCTTGGCCGGGTTATGCGCAACTGTGCGCT 126
  Db 67 TGCAGGGCCGGCGGGCGGTGGCCGCGCTATGCCGCGAACGAGCTCTGTGCGC 60
  Db 127 CTGCTATACAGCACTTGCGCTGGCCGAGCGCTTGGCCGGGTTATGCGCAACTGTGCGCT 126
  QY 121 CGCGAGGGAGGGCGAGGGCTGGAGGGCTGGAGGCTCGAGGCTTCGGAGCTTGCGCAACTGTGCGC 180
  QY 187 GGCGAGGGAGGGCGAGGGCTGGAGGGCTGGAGGCTTCGGAGGCTTCGGAGGCTTGCGCAACTGTGCGC 186
  Db 181 CCCGACATCATCTCAAGGATGAGGAAGAACAGTGAGGAGCGACCCCTGTGACCGAACT 240
  QY 247 CCCGACATCATCTCAAGGATGAGGAAGAACAGTGAGGAGCGACCCCTGTGACCGAACT 306
  QY 307 TGCAGAAAGACGGGAGAACGCTCTAGCCATCGCGGCTGATGCGCAACT 366
  Db 301 CTACAGGAGCTGAGGCTGGAGGAGGCGCACAGCGCTGAGACATGTGCGGAGTGGC 300
  Db 367 CTACATCTACAGCACTTGCGCTGGCCGAGCGCTTGGCCGGGTTATGCGCAACTGTGCGCT 426
  QY 361 GAAGGGCGGAGCTTGCGACATCACTTGCGCTGGAGGAGCGACCCCTGTGACCGAACT 420
  QY 427 GARAGCTGAGCTTGCGACATCACTTGCGCTGGAGGAGCGACCCCTGTGACCGAACT 486
  Db 421 GCGCGCTCGAGTGGAAACCGGTTGACTGTGACCGGCGACGGCACAAAGTAGGGTTGTG 480
  QY 487 GCGCGCTAGCTGAGGAGCGGATTGACTGTGACCGACCCCTGTGACCGAACT 546
  Db 481 CACGGTCTGCTCAAACTGATAACTCAGTGGCGGTCGAGGCGGCGGC 528
  QY 547 CACGTTATCGCTCAAACTGATAACTCAGTGGCGGTCGAGGCGGCGGC 594
  
```

RESULT 6  
 US-08-460-900C-2  
 Sequence 2, Application US/08460900C  
 Patent No. 616547

GENERAL INFORMATION:  
 APPLICANT: Ingham, Phillip W.  
 APPLICANT: McMahon, Andrew P.  
 APPLICANT: Tabin, Clifford J.  
 APPLICANT: Bumrrot, David A.  
 APPLICANT: Marti-Gorostiza, Elisa

TITLE OF INVENTION: Vertebrate Embryonic Pattern-Inducing  
 NUMBER OF SEQUENCES: 62

CORRESPONDENCE ADDRESS:  
 ADDRESSEE: FOLEY, HOAG & ELIOT LLP  
 STREET: One Post Office Square  
 CITY: Boston  
 STATE: MA  
 COUNTRY: USA  
 ZIP: 02109

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.1.30

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/460,900C  
 FILING DATE: 5-JUNE-1995  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: US 08/435,093  
 FILING DATE: 4-MAY-1995  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: US 08/356,060  
 FILING DATE: 14-DEC-1994  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: US 08/176,427  
 FILING DATE: 30-DEC-1993  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Vincent, Matthew P.  
 REGISTRATION NUMBER: 36,709  
 REFERENCE DOCKET NUMBER: HMV-006-05  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (617) 832-7000  
 TELEFAX: (617) 832-7000  
 INFORMATION FOR SEQ ID NO: 2:  
 LENGTH: 1190 base pairs  
 SEQUENCE CHARACTERISTICS:  
 TYPE: nucleic acid  
 STRANDEDNESS: both  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 FEATURE: CDS  
 LOCATION: 1..1188

US-08-460-900C-2

Query Match 84.2%; Score 444.8; DB 3; Length 1190;  
 Best Local Similarity 90.2%; Pred. No. 3.2e-110; Matches 476; Conservative 0; Mismatches 52; Index 0; Gaps 0;

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  QY 1 TSGCGCGCGGGCGGGCGCCGCTGTGCGCGCGCTATGCGCGAACGAGCTCTGTGCGC 60
  QY 61 CTCTCTCTACAAAGGAACTTGCGCCGGCGTGGCGAGGACCTGGCGCCAGTGGCGCAACTGTGCGCT 126
  Db 67 TSGGGCGGGGGAGGACCGCTGTGCGCGCGCTATGCGCGAACGAGCTCTGTGCGC 60
  Db 127 CTCTCTACAAAGGAACTTGCGCCGGCGTGGCGAGGACCTGGCGCCAGTGGCGCAACTGTGCGCT 126
  QY 121 GCGAGGAGGGTGGAGGGCTCGAGGCGCTCGGGACCTCGGGACCTCGGGCGCTGCGCAACT 180
  QY 187 GCGAGGAGGGTGGAGGGCTCGAGGCGCTCGGGACCTCGGGCGCTGCGCAACT 246
  Db 181 CCCGACATCATCTCAAGGATGAGGAAGAACAGTGAGGAGCGACCCCTGTGACCGAACT 306
  Db 247 CCCGACATCATCTCAAGGATGAGGAAGAACAGTGAGGAGCGACCCCTGTGACCGAACT 366
  QY 241 TGTAAGGAGCGGGCTGAAGCGTTGGCAATGCGGTGATGAACTGAGGCGGAGCGCC 300
  Db 307 TGAAGAAGGGCTGAGCTCTAGCCATCGCGGCTGAGGATCATGCGCAACT 366
  QY 301 CTACAGGAGCTGAGGCTGGAGGAGGACGCCAACCGCTGGAGGATCATCTCACTAC 360
  Db 367 CTACATCTACAGCACTTGCGCTGGCCGAGCGCTTGGCCGGGTTATGCGCAACTGTGCGCT 426
  QY 361 GAGGGCGCTGCTTGACATCTACAGGAGGACGCCAACCGCTGGAGGATCATGCGCAACT 420
  Db 427 GAGGGCGCTGCTTGACATCTACAGGAGGACGCCAACCGCTGGAGGATCATGCGCAACT 486
  QY 421 GCGCGCTCGAGTGGAGGCGCGCTTGACTGTGACTGGCTACTAGGAGTCCGCGAACCCATC 480
  Db 487 GCGCGCTAGCTGAGGAGGGATTGACTGTGAGCTGGCTACTAGGAGTCCGCGAACCCATC 546
  QY 481 CACGGTCTGCTCAAACTGATAACTCAGTGGCGGTCGAGGCGGCGGC 528
  Db 547 CACGTTATCGCTCAAACTGATAACTCAGTGGCGGTCGAGGCGGCGGC 594
  
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RESULT 7

US-0-674-509B-2  
Sequence 2, Application US/08674509B  
Patent No. 6261786  
GENERAL INFORMATION:  
APPLICANT: Ingham, Phillip W.  
APPLICANT: McMahon, Andrew P.  
APPLICANT: Tabin, Clifford J.  
APPLICANT: Marigo, Valeria  
TITLE OF INVENTION: SCREENING ASSAYS FOR HEDGEHOG AGONISTS  
TITLE OF INVENTION: AND ANTAGONISTS  
NUMBER OF SEQUENCES: 48  
CORRESPONDENCE ADDRESS:  
ADDRESSE: POLEY, HOAG & ELIOT LLP  
STREET: One Post Office Square  
CITY: Boston  
STATE: MA  
COUNTRY: USA  
ZIP: 02109-2170

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/674, 509B  
FILING DATE: 02-JUL-1996  
CLASSIFICATION: 435  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: US 08/460, 900  
FILING DATE: 05-JUN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Vincent, Matthew P.  
REGISTRATION NUMBER: 36,709  
REFERENCE/DOCKET NUMBER: HMV-006.06  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617-832-7000  
TELEFAX: 617-832-7000

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 1190 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: cDNA

FEATURE:

NAME/KEY: CDS

LOCATION: 1..118

US-08-674-509B-2

RESULT 8

US 08-954-698-2

Sequence 2, Application US/08954698

PATENT NO. 6271363

GENERAL INFORMATION:

APPLICANT: Ingham, Phillip W.

APPLICANT: McMahon, Andrew P.

APPLICANT: Tabin, Clifford J.

TITLE OF INVENTION: Vertebrate Embryonic Pattern-Inducing

TITLE OF INVENTION: Proteins and Uses Related Thereto

NUMBER OF SEQUENCES: 48

CORRESPONDENCE ADDRESS:

ADDRESSE: POLEY, HOAG & ELIOT LLP

STREET: One Post Office Square

CITY: Boston

STATE: MA

COUNTRY: USA

ZIP: 02109-2170

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/954, 698

FILING DATE: 20-OCT-1997

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/462, 386

FILING DATE: 05-JUN-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/435, 093

FILING DATE: 04-MAY-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/356, 060

FILING DATE: 14-DEC-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/176, 427

FILING DATE: 30-DEC-1993

ATTORNEY/AGENT INFORMATION:

NAME: Vincent, Matthew P.

REGISTRATION NUMBER: 36,709

REFERENCE/DOCKET NUMBER: HMV-006.10

TELECOMMUNICATION INFORMATION:

TELEPHONE: 617-832-1000

TELEFAX: 617-832-7000

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 1190 base pairs

REFERENCE/DOCKET NUMBER: HMV-006.10

TELECOMMUNICATION INFORMATION:

TELEPHONE: 617-832-1000

TELEFAX: 617-832-7000

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 1190 base pairs

REFERENCE/DOCKET NUMBER: HMV-006.10

TELECOMMUNICATION INFORMATION:

TELEPHONE: 617-832-1000

TELEFAX: 617-832-7000

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 1190 base pairs

REFERENCE/DOCKET NUMBER: HMV-006.10

TELECOMMUNICATION INFORMATION:

TELEPHONE: 617-832-1000

TELEFAX: 617-832-7000

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 1190 base pairs

REFERENCE/DOCKET NUMBER: HMV-006.10

TELECOMMUNICATION INFORMATION:

TELEPHONE: 617-832-1000

TELEFAX: 617-832-7000

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 1190 base pairs

REFERENCE/DOCKET NUMBER: HMV-006.10

TELECOMMUNICATION INFORMATION:

TELEPHONE: 617-832-1000

TELEFAX: 617-832-7000

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 1190 base pairs

REFERENCE/DOCKET NUMBER: HMV-006.10

TELECOMMUNICATION INFORMATION:

TELEPHONE: 617-832-1000

TELEFAX: 617-832-7000

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 1190 base pairs

REFERENCE/DOCKET NUMBER: HMV-006.10

TELECOMMUNICATION INFORMATION:

TELEPHONE: 617-832-1000

TELEFAX: 617-832-7000

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 1190 base pairs

REFERENCE/DOCKET NUMBER: HMV-006.10

TELECOMMUNICATION INFORMATION:

TELEPHONE: 617-832-1000

TELEFAX: 617-832-7000

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 1190 base pairs

REFERENCE/DOCKET NUMBER: HMV-006.10

TELECOMMUNICATION INFORMATION:

TELEPHONE: 617-832-1000

TELEFAX: 617-832-7000

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 1190 base pairs

REFERENCE/DOCKET NUMBER: HMV-006.10

TELECOMMUNICATION INFORMATION:

TELEPHONE: 617-832-1000

TELEFAX: 617-832-7000

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 1190 base pairs

REFERENCE/DOCKET NUMBER: HMV-006.10

TELECOMMUNICATION INFORMATION:

TELEPHONE: 617-832-1000

TELEFAX: 617-832-7000

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 1190 base pairs

REFERENCE/DOCKET NUMBER: HMV-006.10

TELECOMMUNICATION INFORMATION:

TELEPHONE: 617-832-1000

TELEFAX: 617-832-7000

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 1190 base pairs

REFERENCE/DOCKET NUMBER: HMV-006.10

TELECOMMUNICATION INFORMATION:

TELEPHONE: 617-832-1000

TELEFAX: 617-832-7000

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 1190 base pairs

REFERENCE/DOCKET NUMBER: HMV-006.10

TELECOMMUNICATION INFORMATION:

TELEPHONE: 617-832-1000

TELEFAX: 617-832-7000

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 1190 base pairs

REFERENCE/DOCKET NUMBER: HMV-006.10

TELECOMMUNICATION INFORMATION:

TELEPHONE: 617-832-1000

TELEFAX: 617-832-7000

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 1190 base pairs

REFERENCE/DOCKET NUMBER: HMV-006.10

TELECOMMUNICATION INFORMATION:

TELEPHONE: 617-832-1000

TELEFAX: 617-832-7000

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 1190 base pairs

REFERENCE/DOCKET NUMBER: HMV-006.10

TELECOMMUNICATION INFORMATION:

TELEPHONE: 617-832-1000

TELEFAX: 617-832-7000

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 1190 base pairs

REFERENCE/DOCKET NUMBER: HMV-006.10

TELECOMMUNICATION INFORMATION:

TELEPHONE: 617-832-1000

TELEFAX: 617-832-7000

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 1190 base pairs

REFERENCE/DOCKET NUMBER: HMV-006.10

TELECOMMUNICATION INFORMATION:

TELEPHONE: 617-832-1000

TELEFAX: 617-832-7000

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 1190 base pairs

REFERENCE/DOCKET NUMBER: HMV-006.10

TELECOMMUNICATION INFORMATION:

TELEPHONE: 617-832-1000

TELEFAX: 617-832-7000

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 1190 base pairs

REFERENCE/DOCKET NUMBER: HMV-006.10

TELECOMMUNICATION INFORMATION:

TELEPHONE: 617-832-1000

TELEFAX: 617-832-7000

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 1190 base pairs

REFERENCE/DOCKET NUMBER: HMV-006.10

TELECOMMUNICATION INFORMATION:

TELEPHONE: 617-832-1000

TELEFAX: 617-832-7000

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 1190 base pairs

REFERENCE/DOCKET NUMBER: HMV-006.10

TELECOMMUNICATION INFORMATION:

TELEPHONE: 617-832-1000

TELEFAX: 617-832-7000

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 1190 base pairs

REFERENCE/DOCKET NUMBER: HMV-006.10

TELECOMMUNICATION INFORMATION:

TELEPHONE: 617-832-1000

TELEFAX: 617-832-7000

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 1190 base pairs

REFERENCE/DOCKET NUMBER: HMV-006.10

TELECOMMUNICATION INFORMATION:

TELEPHONE: 617-832-1000

TELEFAX: 617-832-7000

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

Query Match 84.2%; Score 444.8; DB 3; Length 1190;  
 Best Local Similarity 90.2%; Pred. No. 3.2e-110; Matches 476; Conservative 0; Mismatches 52; Indels 0; Gaps 0;

Qy 1 TCGGGGCCGGCCGGGGCGGCTGGCGCGCTATGGGCCAAGGAGCTGTGCG 60  
 Db 67 TCGGGGCCGGCCGGGGCGGCTGGCGCGCTATGGGCCAAGGAGCTGTGCG 126  
 Qy 61 CTACTCTACAGCAATTGTCGGCGGCGACGGCTTGACCGTCACTACAC 120  
 Db 127 CTGCTATAAGCAGCTTGTGGCCAGTAGTGCCTGCGGAGCTGGGCGA 186  
 Qy 121 GCGGGGCCGGCCGGGGCGGCTGGCGCGCTATGGGCCAAGGAGCTGTGCG 180  
 Db 187 GCGGGGCCGGGGCTAACAGGGGCTGGCGCGCTATGGGCCAAGGAGCTGTGCG 246  
 Qy 181 CCCGACATCATCTCAAGGATGAGGAGAGAACAGTGGAGCGCGACCCCTGGGCGA 186  
 Db 247 CCCGACATCATCTCAAGGATGAGGAGAGAACAGTGGAGCGCGACCCCTGGGCGA 240  
 Qy 241 TGTAGGAAAGGGGTGAACCGTTGGCCATGTGCGCTGATGAGGAGAGCTGGGCGA 306  
 Db 307 TCGAGAAGGGGTGAACCGTTGGCCATGTGCGCTGATGAGGAGAGCTGGGCGA 366  
 Qy 301 CTAGAAGCTGACTGAGGGTGGGAGGGGACCCGTCAGGATTCACCTCAC 360  
 Db 367 CTAGCTGACTGAGGGTGGGAGGGGACCCGTCAGGATTCACCTCAC 426  
 Qy 361 GAGGGCCGCTGTTGGACATCTACTAGGTGTGACGGAGACAGTGTGAGGTG 420  
 Db 427 GAGGGCCGCTGCTGGACATCTACTAGGTGTGACGGAGACAGTGTGAGGTG 486  
 Qy 421 GCGGCCCTGGCAGCTGGAGGACGGGCTGAGCTGACCTGACCTAATAGTTG 480  
 Db 487 GCGGCCCTGGCAGCTGGAGGACGGGCTGAGCTGACCTGACCTAATAGTTG 546  
 Qy 481 CACGTGTCGTCAGCTGATAACTCTACTGGGCTCCGGGGCGGC 528  
 Db 547 CACCTATCGTCAGCTGATAACTCTACTGGGCTCCGGGGCGGC 594

RESULT 9

US-08-957-874-2

; Sequence 2, Application US/08957874

; Patent No. 638492

; GENERAL INFORMATION:

; APPLICANT: Phillip W. Tabin, Clifford J.

; APPLICANT: McMahon, Andrew P.

; APPLICANT: McMahom, Andrew P.

TITLE OF INVENTION: Vertebrate Embryonic Pattern-Inducing Proteins and Uses Related Thereto

NUMBER OF SEQUREMENTS: 47

CORRESPONDENCE ADDRESS:

ADDRESSEE: Foley, Hoag & Eliot LLP

STREET: One Post Office Square

CITY: Boston

STATE: MA

COUNTRY: USA

ZIP: 02109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: ASCII (text)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/957,874

FILING DATE: 20-OCT-1997

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/462,386

FILING DATE: 5-JUNE-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/435,093

RESULT 10

US-09-325-256-6

; Sequence 6, Application US/09325256

; Patent No. 6444793

; GENERAL INFORMATION:

; APPLICANT: PEPINSKY, R. BLAKE

FILING DATE: 4-MAY-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/356,060

FILING DATE: 14-DEC-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/176,427

FILING DATE: 30-DEC-1993

ATTORNEY/AGENT INFORMATION:

NAME: Vincent, Matthew P.

REGISTRATION NUMBER: 36,709

REFERENCE/DOCKET NUMBER: HNV-006-09

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 832-0000

TELEFAX: (617) 833-7000

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 1190 base pairs

TYPE: nucleic acid

STRANDEDNESS: both

TOPOLOGY: linear

MOLECULE TYPE: cDNA

FEATURE:

NAME/KEY: CDS

LOCATION: 1..1191

US-08-957-874-2

Query Match 84.2%; Score 444.8; DB 3; Length 1190;  
 Best Local Similarity 90.2%; Pred. No. 3.2e-110; Matches 476; Conservative 0; Mismatches 52; Indels 0; Gaps 0;

Qy 1 TCGGGGCCGGCCGGGGCGGCTGGCGCGCTATGGGCCAAGGAGCTGTGCG 60  
 Db 67 TCGGGGCCGGCCGGGGCGGCTGGCGCGCTATGGGCCAAGGAGCTGTGCG 126  
 Qy 61 CTACTCTACAGCAATTGTCGGCGGCGACGGCTTGACCTGACCTACAC 120  
 Db 127 CTGCTATAAGCAGCTTGTGGCCAGTGTGCGCTGAGGAGACCTGGGCGA 186  
 Qy 121 GCGGGGCCGGGGCGGAGGGGACCCGTCAGGATTCACCTCAC 180  
 Db 187 GCGGGGCCGGGGCGGAGGGGACCCGTCAGGATTCACCTCAC 246  
 Qy 181 CCCGACATCATCTCAAGGATGAGGAGAGAACAGTGGAGCGCGACCCCTGGGCGA 186  
 Db 247 GAGGGCCGCTGCTGGACATCTACTAGGTGTGACGGAGACAGTGTGAGGTG 240  
 Qy 301 CTAGAAGCTGACTGAGGGTGGGAGGGGACCCGTCAGGATTCACCTCAC 360  
 Db 367 CTAGCTGACTGAGGGTGGGAGGGGACCCGTCAGGATTCACCTCAC 426  
 Db 307 TCGAGAAGGGGTGAACCGTTGGCCATGTGCGCTGAGGAGACCTGGGCGA 366  
 Qy 421 TGTAGGAAAGGGGTGAACCGTTGGCCATGTGCGCTGAGGAGACCTGGGCGA 420  
 Db 487 GCGGCCCTGGCAGCTGGAGGACGGGCTGAGCTGACCTGACCTAATAGTTG 486  
 Qy 481 CACGTGTCGTCAGCTGATAACTCTACTGGGCTCCGGGGCGGC 528  
 Db 547 CACGTGTCGTCAGCTGATAACTCTACTGGGCTCCGGGGCGGC 594





PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/462,386  
 FILING DATE: 05-JUN-1995  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: US 08/435,093  
 FILING DATE: 04-MAY-1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Vincent, Matthew P.  
 REGISTRATION NUMBER: 36,709  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: US 08/176,427  
 FILING DATE: 30-DEC-1993  
 TELEPHONE: 617-832-1000  
 TELEFAX: 617-832-7000  
 INFORMATION FOR SEQ ID NO: 2:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1190 base pairs  
 REFERENCE/DOCKET NUMBER: HNV-006.12  
 TELECOMMUNICATION INFORMATION:  
 LOCATION: 1.1188  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 1..1188  
 LENGTH: 1190  
 STRANDEDNESS: both  
 MOLECULE TYPE: cDNA  
 TOPOLOGY: linear  
 -954-128-2

Query Match 84.2%; Score 444.8; DB 4; Length 1190;  
 Best Local Similarity 90.2%; Pred. No. 3.2e-110;  
 Matches 476; Conservative 0; Mismatches 52; Indels 0; Gaps 0;

Query	Subject	Start	End	Length	Score	Similarity	Strand		
1	TGGCGGCCGCGCCGCGCGCGCTTGACCGAGCGCTGTGCG	60	120	61	CTACTCTACAGCAATTGTGCCCCAGCTGCGAGCGAACCTTGGGCC	60	127	CTGCTATACAGCAGTTGTGCGCATATGCGCAAGACTTGTCCT	126
67	TGGCGGCCGCGCCGAGGAGCGCTTGACCGAGCGCTGTGCG	126	186	67	TGGCGGCCGCGCCGAGGAGCGCTTGACCGAGCGCTGTGCG	126	121	GCGGAGGGAGGGTGCAGGGCTCCAGCCTGGCGCTCCGGACCTGTGCGCAACTACAC	180
61	CTACTCTACAGCAATTGTGCCCCAGCTGCGAGCGAACCTTGGGCC	120	180	61	CTACTCTACAGCAATTGTGCCCCAGCTGCGAGCGAACCTTGGGCC	120	187	GCGGAGGGAGGGTGCAGGGCTCCAGCCTGGCGCTCCGGACCTGTGCGCAACTACAC	186
127	CTGCTATACAGCAGTTGTGCGCATATGCGCAAGACTTGTCCT	126	186	127	CTGCTATACAGCAGTTGTGCGCATATGCGCAAGACTTGTCCT	126	181	CCCAGACATCTCTCAAGATGAGGAGACAGCTGGAGCGACGCCCTATGACCGAAGT	240
121	GCGGAGGGAGGGTGCAGGGCTCCAGCCTGGCGCTCCGGACCTGTGCG	180	240	121	GCGGAGGGAGGGTGCAGGGCTCCAGCCTGGCGCTCCGGACCTGTGCG	180	247	CCCAGACATCTCTCAAGATGAGGAGACAGCGCGAGACGCCCTATGACGAGCT	306
187	GCGGAGGGAGGGTACAGGGTGTGGCGAGCTGTGACCTGTACCAAC	246	306	187	GCGGAGGGAGGGTACAGGGTGTGGCGAGCTGTGACCTGTACCAAC	246	241	TGTAGGGAGGGTGAAGGCTTGGCCATGTGGCTGATGAACTGTGGCGAGGTGGC	300
181	CCGGACATCATCTCAAGATGAGGAGACAGCTGGCGAGCTGTGAC	240	300	181	CCGGACATCATCTCAAGATGAGGAGACAGCTGGCGAGCTGTGAC	240	307	TGCAAGAGCAGGGTGAACCTCTAACATCGCGGTGATGAACTGTGGCGAGTAGC	366
247	CCGGACATCATCTCAAGATGAGGAGACAGCTGGCGAGCTGTGAC	306	366	247	CCGGACATCATCTCAAGATGAGGAGACAGCTGGCGAGCTGTGAC	306	301	CTACAGTGAATGAGGCTGGAGAGACAGGGCCACACCTCAGGATCTACTCCACTAC	360
241	TGTAGGAAGCGGTGAAACCTCTGGCCATGGCGATGAACTGTGGCG	300	360	241	TGTAGGGAGGGTGAAGGCTTGGCCATGGCGATGAACTGTGGCG	300	367	CTAGTGTGACTGTAGGGCTGGAGAGACAGGGCCACCCGCTCAGGATCTACTCCACTAC	426
307	TGCAAGAGGCGGTGAAACCTCTGGCCATGGCGATGAACTGTGGCG	366	426	307	TGCAAGAGGCGGTGAAACCTCTGGCCATGGCGATGAACTGTGGCG	366	361	GAAGGCCCTGCTTGGACATCTACGTGCTGACCGGCTGACCGGAGG	486
301	CTACAGTGAATGAGGCTGGAGAGACAGGGCCACACCTCAGGATCTACTCCACTAC	360	486	301	CTACAGTGAATGAGGCTGGAGAGACAGGGCCACACCTCAGGATCTACTCCACTAC	360	427	GAAGGCCCTGCTTGGACATCTACGTGCTGACCGGAGG	546
367	CTACAGTGAATGAGGCTGGAGAGACAGGGCCACACCTCAGGATCTACTCCACTAC	426	546	367	CTACAGTGAATGAGGCTGGAGAGACAGGGCCACACCTCAGGATCTACTCCACTAC	426	421	GCGGCCCTGCTTGGACATCTACGTGCTGACCGGAGG	528
361	GAAGGCCCTGCTTGGACATCTACGTGCTGACCGGAGG	420	528	361	GAAGGCCCTGCTTGGACATCTACGTGCTGACCGGAGG	420	487	GCGGCCCTGCTTGGACATCTACGTGCTGACCGGAGG	594
427	GAAGGCCCTGCTTGGACATCTACGTGCTGACCGGAGG	486	594	427	GAAGGCCCTGCTTGGACATCTACGTGCTGACCGGAGG	486	481	CACGTGTGCTGCTAAGCTGATACTCTACGTGCTGACCGGAGG	546
421	GCGGCCCTGCTTGGACATCTACGTGCTGACCGGAGG	480	546	421	GCGGCCCTGCTTGGACATCTACGTGCTGACCGGAGG	480	547	CACGTGTGCTGCTAAGCTGATACTCTACGTGCTGACCGGAGG	546
487	GCGGCCCTGCTTGGACATCTACGTGCTGACCGGAGG	528	546	487	GCGGCCCTGCTTGGACATCTACGTGCTGACCGGAGG	528	481	CACGTGTGCTGCTAAGCTGATACTCTACGTGCTGACCGGAGG	546
547	CACGTGTGCTGCTAAGCTGATACTCTACGTGCTGACCGGAGG	594	546	547	CACGTGTGCTGCTAAGCTGATACTCTACGTGCTGACCGGAGG	594	481	CACGTGTGCTGCTAAGCTGATACTCTACGTGCTGACCGGAGG	546

RESULT 15  
 US-08-954-740-2 ; Sequence 2, Application US/0904917  
 ; Sequence 1, Application US/0904917  
 ; Sequence 2, Application US/08954740

US-09-704-917-2 ; Sequence 2, Application US/09704917  
; Sequence 2, Application US/09704917  
; GENERAL INFORMATION:  
; APPLICANT: Biogen, Inc.  
; APPLICANT: Burkly, Linda  
; APPLICANT: Wang, Li Chun  
; TITLE OF INVENTION: METHODS OF MODULATING LIPID METABOLISM AND STORAGE  
; FILE REFERENCE: A069PCT  
; CURRENT APPLICATION NUMBER: US/09/704,917  
; CURRENT FILING DATE: 2000-11-02  
; PRIORITY APPLICATION NUMBER: 60/122,640  
; PRIORITY FILING DATE: 1999-03-03  
; PRIORITY APPLICATION NUMBER: 60/124,446  
; PRIORITY FILING DATE: 1999-03-15  
; NUMBER OF SEQ ID NOS: 22  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 2  
; LENGTH: 1190  
; LOCATION: (1)..(1188)  
; TYPE: DNA  
; ORGANISM: Murine sp.  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1)..(1188)  
US-09-704-917-2

Query Match 84.2%; Score 444.8; DB 4; Length 1190;  
Best Local Similarity 90.2%; Pred. No. 3; 2e-110;  
Matches 476; Conservative 0; Mismatches 52; Indels 0; Gaps 0;

Start	End	Sequence
Qy	1	TGGCGGCCGCGCCGCGGCCGAGGACCGTTGCGCCCGCGGTATGCGCAGACACTTGCGCT
Ds	67	TGGCGGCCGCGCCGCGGCCGAGGACCGTTGCGCCCGCGGTATGCGCAGACACTTGCGCT
Qy	61	CTACTCTACAACATTGCGCCGCGTGCAGGACACTTGCGCCACTTGCGCA
Ds	127	CTCTATACAAGCTTGTGCCAGTATGCCAGGCGACCCCTGGCCGAGTGGCCA
Qy	121	GCGGAGGAGGAGGTGGCAGGGCTCCAGCGTTCCGGACCTCTGCCAACATCAC
Ds	187	GCGGAGGAGGAGGTAAACAGGGGTCTGGAGCAGCTGGAGACGCCCTGGGACTCTGTACCCAACTACAC
Qy	181	CCCGAATCATCTTCAGGATGAGGAGAACAGTGGAGACGCCCTGGGACTCTGTACCCAACTACAC
Ds	247	CCCGAATCATCTTCAGGATGAGGAGAACAGTGGAGACGCCCTGGGACTCTGTACCCAACTACAC
Qy	241	TGTAGGAGACGGSTGAAGCGCTTGGCATGGCTGTAACATGTCGCCCGAGTGGC
Ds	307	TCAAGAGCGCTGAACGCTCTAGCATCGGCTGAGTGAACATGTCGCCCGAGTACCC
Qy	301	CTAGAGGACTGAGGGTGGAGAGAACGCCACCGCTAGGATCCTGACCT
Ds	367	CTAGAGGACTGAGGGTGGAGAGAACGCCACCGCTAGGATCCTGACCT
Qy	361	GAAGGGCGCTGCTTGTGACATCACTACGCTGACCGGACGCCACAGCTATGGGTGCG
Ds	427	GAAGGGCGCTGCTTGTGACATCACTACGCTGACCGGACGCCACAGCTATGGGTGCG
Qy	421	GCGCGCTTGGAGGCCGCTTGACTGGTCTACTACGAGTCGGCACCACTTC
Ds	487	GCGCGCTTGGAGGCCGCTTGACTGGTCTACTACGAGTCGGCACCACTTC
Qy	481	CACGGTGTGGTCAAAGCTGATACTCACTGGCGCTCCGGAGGGCG 528
Ds	547	CACGGTGTGGTCAAAGCTGATACTCACTGGCGCTCCGGAGGGCG 594

RESULT 14

APPLICANT: McMahon, Andrew P.  
 APPLICANT: Tabin, Clifford J.  
 TITLE OF INVENTION: Vertebrate Embryonic Pattern-Inducing  
 NUMBER OF SEQUENCES: 48  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: FOULY, HOAG & ELLIOT LLP  
 STREET: One Post Office Square  
 CITY: Boston  
 STATE: MA  
 COUNTRY: USA  
 ZIP: 02109-2170  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/954,740  
 FILING DATE: 20-OCT-1997  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/462,386  
 FILING DATE: 05-JUN-1995  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/435,093  
 FILING DATE: 04-MAY-1995  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/356,060  
 FILING DATE: 14-DEC-1994  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/176,427  
 FILING DATE: 30-DEC-1993  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Vincent, Matthew P.  
 REFERENCE/DOCKET NUMBER: HMV-006.08  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 617-832-1000  
 TELEFAX: 617-832-7000  
 INFORMATION FOR SEQ ID NO: 2:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1190 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: both  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 1..1190  
 ; US-08-954-740-2

Query Match 84.2%; Score 444.8; DB 4; length 1190;  
 Best Local Similarity 90.2%; Pred. No. 3.2e-110;  
 Matches 476; Conservative 0; Mismatches 52; Indels 0; Gaps 0;

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Qy      1 TGCGGGCCCGGCCGGGCGGTGGCGCGCTATGCCGCACAGCACTTGCGTSCCG 60
Db      67 TGGGGCCGGCCAGGGCGGTGGCGCGCTATGCCGCACAGCACTTGCGTSCCG 126
Qy      61 CTACTCTACAGCAATTGTCGGCGCCAGCGAACCTTGCGTSCCG 120
Db      127 CTGCTATACAGCACTTGCGTSCCG 186
Qy      121 GCGAGGGGGGGGGTGGAGGAGCTCCGAGGCGCTTCGGGACCTTGCGTSCCG 180
Db      181 CCCCATCATCATCTTCAGGAGTGGAGGAGACAGCCGCGCTATGCCGAACGT 240
Qy      247 CCCGACATATCTTCAGGAGTGGAGGAGACAGCCGCGCTATGCCGAACGT 306
Qy      241 TGTAGGAGGGGGAACCTTGCGTSCCG 300
  
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Db 307 TCCAAAGGGGGTGAAACGCTTAGGCATGGGGTGTGAACTGTCGGCGAGTAGCGC 366
 Qy 301 CTACGAGTGAATGGGGAGAGGACAGCGGCCACCGCGCTCGGATTCAGGTTCACTAC 360
 Db 367 CTAGTGTACTGAGGAGCTGGGAGAGGACGGCACGGCACAGGATCAGTC 426
 Qy 361 GAAGGGCGCTGGACATCACTACCTGACCCGACCGGACACGGATCAGTC 420
 Db 427 GAAGGCCGGCTGGACATCACCACTCTGACCGTACGGTAATAGTATGGTTTG 486
 Qy 421 GCGGCTGGAGGCGCTTGACTAGTGGCTACTACAGTCGGCAACCACATC 480
 Db 487 GCGGCTGGACTAGTGGAGGCCGATTCGACTAGTGGCTACTACAGTCGGCAACCACATC 546
 Qy 481 CAGGTGGTCAAAGCTGATACTACTGGGGCTGGGCGGGCG 528
 Db 547 CAGGTGGTCAAAGCTGATACTACTGGGGCTGGGCGGGAGC 594

Search completed: February 21, 2005, 10:01:45  
 Job time : 113 Secs

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 OM protein - protein search, using sw model

## SUMMARIES

No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

OM protein - protein search, using sw model  
 Run on: February 16, 2005, 12:27:22 ; (w1  
 Title: US-09-063-778-1  
 Perfect score: 937  
 Sequence: 1 CGGRGPGVRRRYARKQLVP.....  
 Scoring table: BLOSUM62  
 Gappen 10.0 , Gapext 0.5  
 Searched: 513545 seqs, 74649064 residues  
 Total number of hits satisfying chosen parameters  
 (w1

**copyright** GenCore version 5.1.6 (c) 1993 - 2005 Compugen Ltd.  
**Om protein - protein search, using sw model**  
**Run on:** February 16, 2005, 12:27:22 ; Search time 43 Seconds  
**Title:** US-09-063-778-1  
**Perfect score:** 937  
**Sequence:** 1 CGPGRGPVGRRYARKQLVP. .... RHHIHVSVKADNSLA VRAGG 176  
**Scoring table:** BLOSUM62  
 Gappen 10.0 , Gapext 0.5  
**searched:** 513545 seqB, 74649064 residues  
**Total number of hits satisfying chosen parameters:** 513545

Searched: 513545 seqs, 74649064 residues  
Total number of hits satisfying chosen parameters:

Searched: 513545 seqs, 74649064 residues  
Total number of hits containing chosen parameters: 513545

total number of hits satisfying chosen parameters: 513545  
searched: 513545 seqs, 7464964 residues

ALIGNMENT

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Sequence B, Appli
Sequence 17, Appli
Sequence B, Appli
Sequence 10, Appli
Sequence B, Appli
Sequence 10, Appli
Sequence 10, Appli
Sequence B, Appli
Sequence 34, Appli
Sequence 10, Appli
Sequence B, Appli
Sequence 11, Appli

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No.	Score	Match	Length	DB	ID	Description
1	936	99.9	176	4	US-09-325-256-3	Sequence 3, Appli
2	936	99.9	396	4	US-09-325-256-24	Sequence 24, Appli
3	936	99.9	395	4	US-09-704-917-17	Sequence 17, Appli
4	936	99.9	396	4	US-09-151-999-17	Sequence 17, Appli
5	920	98.2	396	1	US-08-176-427B-4	Sequence 4, Appli
6	920	98.2	396	2	US-08-356-060A-9	Sequence 9, Appli
7	920	98.2	396	3	US-08-460-900C-9	Sequence 9, Appli
8	920	98.2	396	3	US-08-674-509B-9	Sequence 9, Appli
9	920	98.2	396	3	US-08-954-698-9	Sequence 9, Appli
10	920	98.2	396	3	US-09-293-505-13	Sequence 13, Appli
11	920	98.2	396	3	US-08-957-874-9	Sequence 9, Appli
12	920	98.2	396	4	US-09-252-256-18	Sequence 18, Appli
13	920	98.2	396	4	US-09-639-695-9	Sequence 9, Appli
14	920	98.2	396	4	US-09-448-188-9	Sequence 9, Appli
15	920	98.2	396	4	US-08-954-128-9	Sequence 9, Appli
16	920	98.2	396	4	US-09-704-917-11	Sequence 11, Appli
17	920	98.2	396	4	US-08-954-740-9	Sequence 9, Appli
18	920	98.2	396	4	US-09-151-999-11	Sequence 11, Appli
19	920	98.2	396	4	US-09-736-476-9	Sequence 9, Appli
20	920	98.2	396	4	US-09-060-939A-13	Sequence 13, Appli
21	920	98.2	396	4	US-09-021-660A-35	Sequence 35, Appli
22	920	98.2	396	4	US-09-418-221-11	Sequence 11, Appli
23	741	79.1	425	1	US-08-176-427B-2	Sequence 2, Appli
24	741	79.1	425	2	US-08-356-060A-8	Sequence 8, Appli
25	741	79.1	425	3	US-08-460-900C-8	Sequence 8, Appli
26	741	79.1	425	3	US-08-674-509B-8	Sequence 8, Appli
27	741	79.1	425	3	US-08-954-698-8	Sequence 8, Appli

US-09-325-256-3  
RESULT 1  
Sequence 3 Application US/09325256  
; Sequence 3 Application US/09325256  
; Patent No. 6444933  
; GENERAL INFORMATION:  
APPLICANT: PERINSKY, R. BLAKE  
APPLICANT: BAKER, DARREN P.  
APPLICANT: WEN, DINGYI  
APPLICANT: WILLIAMS, KEVIN P.  
APPLICANT: GANGER, ELLEN A.  
APPLICANT: TAYLOR, FREDERICK R.  
APPLICANT: GALDES, ALPHONSE  
APPLICANT: PORTER, JEFFREY  
TITLE OF INVENTION: HYDROPHOBICALLY-MODIFIED PROTEIN COMPOSITIONS AND  
TITLE OF INVENTION: METHODS  
FILE REFERENCE: BTV-067.01  
CURRENT APPLICATION NUMBER: US/09/325, 256  
CURRENT FILING DATE: 1999-05-03  
PRIOR APPLICATION NUMBER: 60/099, 800  
PRIOR FILING DATE: 1998-09-10  
PRIOR APPLICATION NUMBER: 60/078, 935  
PRIOR FILING DATE: 1998-03-20  
PRIOR APPLICATION NUMBER: 60/089, 685  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/067, 423  
PRIOR FILING DATE: 1997-12-03  
PRIOR APPLICATION NUMBER: PCT/US98/25676  
PRIOR FILING DATE: 1998-11-20  
NUMBER OF SEQ ID NOS: 31  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 3  
LENGTH: 176  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-325-256-3

Db 121 EGРАLДITTSDRNKGLLARLAVAGFDWVYTESRNHVVHSVKADNSLAVRAGG 176 ; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 17 ;  
; LENGTH: 396 ;  
; TYPE: PRT  
; ORGANISM: Homo sapiens US-09-704-917-17

RESULT 2 ;  
; Sequence 24, Application US/09325256 ;  
; GENERAL INFORMATION:  
; Patent No. 644793  
; APPLICANT: PERINSKY, R. BLAKE  
; APPLICANT: BAKER, DARREN P.  
; APPLICANT: WEN, DINGYI  
; APPLICANT: WILLIAMS, KEVIN P.  
; APPLICANT: GARGER, ELLEN A.  
; APPLICANT: TAYLOR, FREDERICK R.  
; APPLICANT: GAUDES, ALPHONSE  
; APPLICANT: PORTER, JEFFREY  
; TITLE OF INVENTION: HYDROPHOBICALLY-MODIFIED PROTEIN COMPOSITIONS AND METHODS  
; TITLE OF INVENTION: METHODS  
; FILE REFERENCE: BTV-067-01  
; CURRENT APPLICATION NUMBER: US/09/325, 256  
; CURRENT FILING DATE: 1998-06-03  
; PRIOR APPLICATION NUMBER: 60/099, 800  
; PRIOR FILING DATE: 1998-09-10  
; PRIOR APPLICATION NUMBER: 60/078, 935  
; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: 60/089, 685  
; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/067, 423  
; PRIOR FILING DATE: 1997-12-03  
; PRIOR APPLICATION NUMBER: PCT/US98/25676  
; PRIOR FILING DATE: 1998-12-03  
; NUMBER OF SEQ ID NOS: 31  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 24  
; LENGTH: 396  
; TYPE: PRT  
; ORGANISM: Homo sapiens US-09-325-256-24

Query Match 99.9%; Score 936; DB 4; Length 396;  
Best Local Similarity 99.4%; Pred. No. 6.4e-104; Indels 0; Gaps 0;  
Matches 175; Conservative 1; Mismatches 0; Delins 0; Gaps 0;

Qy 1 CGPRGRGPGRRYARKOLVPLKQFPGVPGERTLGASGPAGRVARGSERFRDLVNN 60  
Db 23 CGPGRGPVGRRYARKOLVPLKQFPGVPGERTLGASGPAGRVARGSERFRDLVNN 82

Qy 61 PDIFKOBENSGADRMLTTERCKERVERNVALIAVNMMPGVRLRVTEGMDGHQAQSLHY 120  
Db 83 PDIFKOBENSGADRMLTTERCKERVERNVALIAVNMMPGVRLRVTEGMDGHQAQSLHY 142

Qy 121 EGРАLДITTSDRNKGLLARLAVAGFDWVYTESRNHIIHSVKADNSLAVRAGG 176  
Db 143 EGРАLДITTSDRNKGLLARLAVAGFDWVYTESRNHIIHSVKADNSLAVRAGG 198

RESULT 3 ;  
; Sequence 17, Application US/09704917 ;  
; Patent No. 616926 ;  
; GENERAL INFORMATION:  
; APPLICANT: Biogen, Inc.  
; APPLICANT: Burkly, Linda  
; APPLICANT: Wang, Li Chun  
; TITLE OF INVENTION: METHODS OF MODULATING LIPID METABOLISM AND STORAGE  
; FILE REFERENCE: A069PCT  
; CURRENT APPLICATION NUMBER: US/09/704, 917  
; CURRENT FILING DATE: 2000-11-02  
; PRIOR APPLICATION NUMBER: 60/122, 640  
; PRIOR FILING DATE: 1998-03-13  
; PRIOR APPLICATION NUMBER: 60/124, 446  
; PRIOR FILING DATE: 1998-03-15  
; NUMBER OF SEQ ID NOS: 22

Query Match 99.9%; Score 936; DB 4; Length 396;  
Best Local Similarity 99.4%; Pred. No. 6.4e-104; Indels 0; Gaps 0;  
Matches 175; Conservative 1; Mismatches 0; Delins 0; Gaps 0;

Qy 1 CGPRGRGPGRRYARKOLVPLKQFPGVPGERTLGASGPAGRVARGSERFRDLVNN 60  
Db 23 CGPGRGPVGRRYARKOLVPLKQFPGVPGERTLGASGPAGRVARGSERFRDLVNN 82

Qy 61 PDIFKOBENSGADRMLTTERCKERVERNVALIAVNMMPGVRLRVTEGMDGHQAQSLHY 120  
Db 83 PDIFKOBENSGADRMLTTERCKERVERNVALIAVNMMPGVRLRVTEGMDGHQAQSLHY 142

Qy 121 EGРАLДITTSDRNKGLLARLAVAGFDWVYTESRNHIIHSVKADNSLAVRAGG 176  
Db 143 EGРАLДITTSDRNKGLLARLAVAGFDWVYTESRNHIIHSVKADNSLAVRAGG 198

RESULT 4 ;  
; Sequence 17, Application US/09151999 ;  
; Patent No. 6639051 ;  
; GENERAL INFORMATION:  
; APPLICANT: Wang, Elizabeth  
; TITLE OF INVENTION: REGULATION OF EPITHELIAL TISSUE BY HEDGEHOG-LIKE POLYPEPTIDES, AND FORMULATIONS AND USES RELATED THERETO  
; FILE REFERENCE: ONV-031. 02  
; CURRENT APPLICATION NUMBER: US/09/151, 999  
; CURRENT FILING DATE: 1998-05-11  
; BARLIER APPLICATION NUMBER: 08/955, 552  
; BARLIER FILING DATE: 1997-10-20  
; NUMBER OF SEQ ID NOS: 28  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 17  
; LENGTH: 396  
; TYPE: PRT  
; ORGANISM: Homo sapien Dhh US-09-151-999-17

Query Match 99.9%; Score 936; DB 4; Length 396;  
Best Local Similarity 99.4%; Pred. No. 6.4e-104; Indels 0; Gaps 0;  
Matches 175; Conservative 1; Mismatches 0; Delins 0; Gaps 0;

Qy 1 CGPRGRGPGRRYARKOLVPLKQFPGVPGERTLGASGPAGRVARGSERFRDLVNN 60  
Db 23 CGPGRGPVGRRYARKOLVPLKQFPGVPGERTLGASGPAGRVARGSERFRDLVNN 82

Qy 61 PDIFKOBENSGADRMLTTERCKERVERNVALIAVNMMPGVRLRVTEGMDGHQAQSLHY 120  
Db 83 PDIFKOBENSGADRMLTTERCKERVERNVALIAVNMMPGVRLRVTEGMDGHQAQSLHY 142

Qy 121 EGРАLДITTSDRNKGLLARLAVAGFDWVYTESRNHIIHSVKADNSLAVRAGG 176  
Db 143 EGРАLДITTSDRNKGLLARLAVAGFDWVYTESRNHIIHSVKADNSLAVRAGG 198

RESULT 5 ;  
; Sequence 4, Application US/08176427B ;  
; Patent No. 5799543 ;  
; GENERAL INFORMATION:  
; APPLICANT: Ingam, Phillip W.  
; APPLICANT: McMahon, Andrew P.  
; APPLICANT: Tabin, Clifford J.  
; TITLE OF INVENTION: Vertebrate Embryonic Pattern-Inducing Proteins and Uses Related Thereto  
; NUMBER OF SEQUENCES: 33

CORRESPONDENCE ADDRESS:  
 ADDRESSE: LAHIRE & COCKFIELD  
 STREET: 60 State Street  
 CITY: Boston  
 STATE: MA  
 COUNTRY: USA  
 ZIP: 02109

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: ASCII(text)

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/176,427B  
 FILING DATE: 30-DEC-1993  
 CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:  
 NAME: Vincent, Matthew P.  
 REGISTRATION NUMBER: 36,709  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (617) 227-7400  
 TELEFAX: (617) 227-5941

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:  
 LENGTH: 396 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein

US-08-176-427B-4

Query Match 98.2%; Score 920; DB 1; Length 396;  
 Best Local Similarity 97.7%; Pred. No. 5.4e-102; Gaps 0;  
 Matches 172; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 CGPGRGPVGRRYKQLVPLLYQKFPGVPERTIGASGPAEGRVARGSRERFRDLPVN 60

Db 23 CGPGRGPVGRRYKQLVPLLYQKFPGVPERTIGASGPAEGRVARGSRERFRDLPVN 82

QY 61 PDIFPKDEENSGADRMLTICKERNVALAIVAMNMWPGVRLRVEGWDGHDHQAQSLHY 120

Db 83 PDIFPKDEENSGADRMLTICKERNVALAIVAMNMWPGVRLRVEGWDGHDHQAQSLHY 142

QY 121 EGRALDITSDRDRNKGYLARLAVAGEFDWVYTESRNHHVSKADNSLAVRAGG 176

Db 143 EGRALDITSDRDRNKGYLARLAVAGEFDWVYTESRNHHVSKADNSLAVRAGG 198

RESULT 6

US-08-356-060B-9

Sequence 9, Application US/08356060A  
 Patent No. 5844079

GENERAL INFORMATION:

APPLICANT: Ingham, Phillip W.

APPLICANT: McMahon, Andrew P.

APPLICANT: Tabin, Clifford J.

APPLICANT: Tabin, Clifford J.

TITLE OF INVENTION: Vertebrate Embryonic Pattern-Inducing  
 NUMBER OF SEQUENCES: 47

CORRESPONDENCE ADDRESS:

ADDRESSE: LAHIRE & COCKFIELD  
 STREET: 60 State Street  
 CITY: Boston  
 STATE: MA  
 COUNTRY: USA  
 ZIP: 02109

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.3.0

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/460,900C  
 FILING DATE: 5-JUNE-1995

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/435,093  
 FILING DATE: 4-MAY-1995

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/356,060  
 FILING DATE: 14-DEC-1994

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/176,427

FILING DATE: 14-DEC-1994  
 CLASSIFICATION: 435

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/176,427

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: HMI-006CP

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 30-DEC-1993

PRIOR APPLICATION DATA:  
 REFERENCE/DOCKET NUMBER: HMI-006CP

PRIOR APPLICATION DATA:  
 TELEPHONE: (617) 227-7400

PRIOR APPLICATION DATA:  
 TELEFAX: (617) 227-5941

PRIOR APPLICATION DATA:  
 INFORMATION FOR SEQ ID NO: 9:

SEQUENCE CHARACTERISTICS:  
 LENGTH: 396 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein

US-08-356-060A-9

Query Match 98.2%; Score 920; DB 2; Length 396;  
 Best Local Similarity 97.7%; Pred. No. 5.4e-102; Gaps 0;  
 Matches 172; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 CGPGRGPVGRRYKQLVPLLYQKFPGVPERTIGASGPAEGRVARGSRERFRDLPVN 60

Db 23 CGPGRGPVGRRYKQLVPLLYQKFPGVPERTIGASGPAEGRVARGSRERFRDLPVN 82

QY 61 PDIFPKDEENSGADRMLTICKERNVALAIVAMNMWPGVRLRVEGWDGHDHQAQSLHY 120

Db 83 PDIFPKDEENSGADRMLTICKERNVALAIVAMNMWPGVRLRVEGWDGHDHQAQSLHY 142

QY 121 EGRALDITSDRDRNKGYLARLAVAGEFDWVYTESRNHHVSKADNSLAVRAGG 176

Db 143 EGRALDITSDRDRNKGYLARLAVAGEFDWVYTESRNHHVSKADNSLAVRAGG 198

RESULT 7

US-08-460-900C-9

Sequence 9, Application US/08460900C  
 Patent No. 6165747

GENERAL INFORMATION:

APPLICANT: Ingham, Phillip W.

APPLICANT: McMahon, Andrew P.

APPLICANT: Tabin, Clifford J.

APPLICANT: Bumrot, David A.

APPLICANT: Mati-Goratiza, Elisa

TITLE OF INVENTION: Vertebrate Embryonic Pattern-Inducing  
 NUMBER OF SEQUENCES: 62

CORRESPONDENCE ADDRESS:  
 ADDRESSE: FOLEY, HOAG & ELIOT LLP  
 STREET: One Post Office Square  
 CITY: Boston  
 STATE: MA  
 COUNTRY: USA  
 ZIP: 02109

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.3.0

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/460,900C  
 FILING DATE: 5-JUNE-1995

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/435,093  
 FILING DATE: 4-MAY-1995

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/356,060  
 FILING DATE: 14-DEC-1994

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/176,427

FILING DATE: 30-DEC-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Vincent, Matthew P.  
REGISTRATION NUMBER: 36,709  
REFERRAL/DOCKET NUMBER: HMV-006, 05  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 832-1000  
TELEFAX: (617) 832-7000  
INFORMATION FOR SEQ ID NO: 9:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 396 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein

MOLECULE TYPE: protein  
US-08-674-509B-9

Query Match 98.2%; Score 920; DB 3; Length 396;  
Best Local Similarity 97.7%; Pred. No. 5, 4e-102;  
Matches 172; Conservative 1; Mismatches 3; Indels 0; Gaps 0;  
Query 1 CGPGRGVGRYARKOLVPLIYKQFPVGVPRTLGSAGPABGRVARGSERPDLVYN 60  
Db 23 CGPGRGFVGGRYVRKQLVPLIYKQFPVSPMPERTLGASGPABGRVTRGSERPDLVYN 82

Query 61 PDIFIKDDENGADRMLTERCKERGRVNLIAIVNNMMPGVRLRVTEGDEDGHQAQSLHY 120  
Db 83 PDIFIKDDENGADRMLTERCKERGRVNLIAIVNNMMPGVRLRVTEGDEDGHQAQSLHY 142

Query 121 EGRAALDITTSDRKNYKGLLARLAVEGFDWVYYESRNHIIHVSKADNSLAVRAGG 176  
Db 143 EGRAALDITTSDRKNYKGLLARLAVEGFDWVYYESRNHIIHVSKADNSLAVRAGG 198

RESULT 9  
US-08-674-509B-9  
Sequence 9, Application US/08674509B  
Patent No. 6261786

GENERAL INFORMATION:  
APPLICANT: Ingham, Phillip W.  
APPLICANT: McMahon, Andrew P.  
APPLICANT: Tabin, Clifford J.  
APPLICANT: Marigo, Valeria

TITLE OF INVENTION: SCREENING ASSAYS FOR HEDGEHOG AGONISTS  
TITLE OF INVENTION: AND ANTAGONISTS  
NUMBER OF SEQUENCES: 48  
CORRESPONDENCE ADDRESS:  
ADDRESSEER: FOLEY, HOAG & ELLIOT LLP  
STREET: One Post Office Square  
CITY: Boston  
STATE: MA  
COUNTRY: USA  
ZIP: 02109-2170

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/554,698  
FILING DATE: 20-OCT-1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/462,386  
FILING DATE: 05-JUN-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/435,093  
FILING DATE: 04-MAY-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/356,060  
FILING DATE: 14-DEC-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/176,427  
FILING DATE: 30-DEC-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Vincent, Matthew P.  
REGISTRATION NUMBER: 36,709  
REFERRAL/DOCKET NUMBER: HMV-006, 10  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617-832-1000  
TELEFAX: 617-832-7000  
INFORMATION FOR SEQ ID NO: 9:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 396 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein

RESULT 9  
US-08-674-509B-9  
Sequence 9, Application US/08954698  
Patent No. 6271363

GENERAL INFORMATION:  
APPLICANT: Ingham, Phillip W.  
APPLICANT: McMahon, Andrew P.  
APPLICANT: Tabin, Clifford J.  
APPLICANT: Tabin, Clifford J.

TITLE OF INVENTION: Vertebrate Embryonic Pattern-Inducing  
TITLE OF INVENTION: Proteins and Uses Related Thereto  
NUMBER OF SEQUENCES: 48  
CORRESPONDENCE ADDRESS:  
ADDRESSEER: FOLEY, HOAG & ELLIOT LLP  
STREET: One Post Office Square  
CITY: Boston  
STATE: MA  
COUNTRY: USA  
ZIP: 02109-2170

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/554,698  
FILING DATE: 20-OCT-1997  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/462,386  
FILING DATE: 05-JUN-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/435,093  
FILING DATE: 04-MAY-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/356,060  
FILING DATE: 14-DEC-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/176,427  
FILING DATE: 30-DEC-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Vincent, Matthew P.  
REGISTRATION NUMBER: 36,709  
REFERRAL/DOCKET NUMBER: HMV-006, 10  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617-832-1000  
TELEFAX: 617-832-7000  
INFORMATION FOR SEQ ID NO: 9:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 396 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein

; MOLECULE TYPE: protein  
; US-08-954-698-9

Query Match 98.2%; Score 920; DB 3; Length 396;  
Best Local Similarity 97.7%; Pred. No. 5.4-102; Mismatches 1; Indels 0; Gaps 0;  
Matches 172; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 CGPGRGPVGRRYARKQLVPLLYKQFVPGVPERTIGASGPAEGRVARGSERFRDLVNN 60  
Db 23 CGPGRGPVGRRYVRKQLVPLLYKQFVPGVPERTIGASGPAEGRVARGSERFRDLVNN 82  
QY 61 PDTIPKDEENSGADRMLTICKERCKERNALIAIVNMNMPGVRLRVTEGWDIDGHQAQSLHY 120  
Db 83 PDTIPKDEENSGADRMLTICKERCKERNALIAIVNMNMPGVRLRVTEGWDIDGHQAQSLHY 142  
QY 121 EGRALDITTSDRDRNKGGLARLAVAEQFDWVYTESRHHIHVSYKADNSLAVRAGG 176  
Db 143 EGRALDITTSDRDRNKGGLARLAVAEQFDWVYTESRHHIHVSYKADNSLAVRAGG 198

RESULT 10

US-09-93-505-13

; Sequence 13, Application US/09293505  
; Patent No. 6348375

; GENERAL INFORMATION:

; APPLICANT: de Sauvage, Frederic

; TITLE OF INVENTION: Patched-2

; FILE REFERENCE: P1405R1

; CURRENT APPLICATION NUMBER: US/09/293, 505

; CURRENT FILING DATE: 1999-04-15

; EARLIER APPLICATION NUMBER: US 60/081,884

; EARLIER FILING DATE: 1998-04-15

; NUMBER OF SEQ ID NOS: 32

; SEQ ID NO 13

; LENGTH: 396

; TYPE: PRT

; ORGANISM: Mus musculus

US-09-293-505-13

Query Match 98.2%; Score 920; DB 3; Length 396;  
Best Local Similarity 97.7%; Pred. No. 5.4-102; Mismatches 1; Indels 0; Gaps 0;  
Matches 172; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 CGPGRGPVGRRYARKQLVPLLYKQFVPGVPERTIGASGPAEGRVARGSERFRDLVNN 60  
Db 23 CGPGRGPVGRRYVRKQLVPLLYKQFVPGVPERTIGASGPAEGRVARGSERFRDLVNN 82  
QY 61 PDTIPKDEENSGADRMLTICKERCKERNALIAIVNMNMPGVRLRVTEGWDIDGHQAQSLHY 120  
Db 83 PDTIPKDEENSGADRMLTICKERCKERNALIAIVNMNMPGVRLRVTEGWDIDGHQAQSLHY 142  
QY 121 EGRALDITTSDRDRNKGGLARLAVAEQFDWVYTESRHHIHVSYKADNSLAVRAGG 176  
Db 143 EGRALDITTSDRDRNKGGLARLAVAEQFDWVYTESRHHIHVSYKADNSLAVRAGG 198

RESULT 11

US-08-957-874-9

; Sequence 9, Application US/08957874  
; Patent No. 6384192

; GENERAL INFORMATION:

; APPLICANT: Ingham, Phillip W.

; APPLICANT: McMahon, Andrew P.

; APPLICANT: Tabin, Clifford J.

; TITLE OF INVENTION: Vertebrate Embryonic Pattern-Inducing

; TITLE OF INVENTION: Proteins and Uses Related Thereto

; NUMBER OF SEQUENCES: 47

; CORRESPONDENCE ADDRESS:

; ADDRESS: Foley, Hoag & Eliot LLP

; STREET: One Post Office Square

; CITY: Boston

; STATE: MA

COUNTRY: USA  
ZIP: 02109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: ASCII (text)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/957,874

FILING DATE: 20-OCT-1997

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/462,386

FILING DATE: 5-JUNE-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/435,093

FILING DATE: 4-MAY-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/356,060

FILING DATE: 14-DEC-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/176,427

FILING DATE: 30-DEC-1993

ATTORNEY/AGENT INFORMATION:

NAME: Vincent, Matthew P.

REGISTRATION NUMBER: 36,709

REFERENCE/DOCKET NUMBER: HMV-006.09

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 832-1000

TELEFAX: (617) 832-7000

INFORMATION FOR SEQ ID NO: 9:

SEQUENCE CHARACTERISTICS:

LENGTH: 396 amino acid

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: Protein

RESULT 12

US-09-325-256-18

; Sequence 18, Application US/09325256  
; Patent No. 6444793

; GENERAL INFORMATION:

; APPLICANT: PERINSKY, R. BLAKE

; APPLICANT: BAKER, DARREN P.

; APPLICANT: WEN, DINGYI

; APPLICANT: WILLIAMS, KEVIN P.

; APPLICANT: GARGER, ELLEN A.

; APPLICANT: TAYLOR, FREDERICK R.

; APPLICANT: GALDES, ALPHONSE

; APPLICANT: PORTER, JEFFREY

; TITLE OF INVENTION: HYDROPHOBICALLY-MODIFIED PROTEIN COMPOSITIONS AND

; METHODS

; FILE REFERENCE: B1V-057,01

; CURRENT APPLICATION NUMBER: US/09/325,256

; PRIOR APPLICATION NUMBER: 60/099,800

PRIOR FILING DATE: 1998-09-10  
 PRIOR APPLICATION NUMBER: 60/078, 935  
 PRIOR FILING DATE: 1998-03-20  
 PRIOR APPLICATION NUMBER: 60/089, 685  
 PRIOR FILING DATE: 1998-06-17  
 PRIOR APPLICATION NUMBER: 60/067, 423  
 PRIORITY FILING DATE: 1997-12-03  
 PRIORITY APPLICATION NUMBER: PCT/US98/25676  
 PRIORITY FILING DATE: 1998-12-03  
 NUMBER OF SEQ ID NOS: 31  
 SOFTWARE: Patentin Ver. 2.1  
 SEQ ID NO: 18  
 LENGTH: 396  
 TYPE: PRT  
 ORGANISM: Murine sp.  
 US-09-325-256-18

Query Match 98.2%; Score 920; DB 4; Length 396;  
 Best Local Similarity 97.7%; Pred. No. 5.4e-102;  
 Matches 172; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 1 CGPGRGPVGRRYARKOLVPLIYKQFPGVPERTLGASGPAEGRVARGSERPRDLYVN 60  
 Db 23 CGPGRGPVGRRYARKOLVPLIYKQFPGVPERTLGASGPAEGRVARGSERPRDLYVN 82

Qy 61 PDTIKDEENSGADRMLTERRCKERKERNALIAAVMMWPGVRLRVTEGMEDGHQAQSLHY 120  
 Db 83 PDTIKDEENSGADRMLTERRCKERKERNALIAAVMMWPGVRLRVTEGMEDGHQAQSLHY 142

Qy 121 EGRALDITTSDRDRNKGILLARLAVELAEGFDWVYESRNHIIHVSKADNSLAVERAGG 176  
 Db 143 EGRALDITTSDRDRNKGILLARLAVELAEGFDWVYESRNHIIHVSKADNSLAVERAGG 198

RESULT 13  
 US-09-639-635-9  
 Sequence 9, Application US/09639695  
 Patent No. 6576237  
 GENERAL INFORMATION:  
 APPLICANT: Ingham, Phillip W.  
 McMahon, Andrew P.  
 Tabin, Clifford J.  
 Buncrot, David A.  
 Marti-Gorostiza, Elisa  
 TITLE OF INVENTION: Vertebrate Embryonic Pattern-Inducing Proteins and Uses Related Thereto  
 NUMBER OF SEQUENCES: 62  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: FOLEY, HOAG & ELLIOT LLP  
 STREET: One Post Office Square  
 CITY: Boston  
 STATE: MA  
 COUNTRY: USA  
 ZIP: 02109-2170

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/448,188  
 FILING DATE: 23-Nov- 6607913-1999  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: US 08/462,386  
 FILING DATE: 05-Jun-1995  
 APPLICATION NUMBER: US 08/435,093  
 FILING DATE: 04-May-1995  
 APPLICATION NUMBER: US 08/356,060  
 FILING DATE: 14-Dec-1994  
 APPLICATION NUMBER: US 08/176,427  
 FILING DATE: 30-Dec-1993  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Vincent, Matthew P.  
 REGISTRATION NUMBER: 36,709  
 REFERENCE/DOCKET NUMBER: HMV-006.12  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 617-832-7000  
 TELEFAX: 617-832-1000  
 INFORMATION FOR SEQ ID NO: 9:  
 SEQUENCE DESCRIPTION: SEQ ID NO: 9:  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 LENGTH: 396 amino acids  
 US-09-639-695-9

Query Match 98.2%; Score 920; DB 4; Length 396;  
 Best Local Similarity 97.7%; Pred. No. 5.4e-102;  
 Matches 172; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 1 CGPGRGPVGRRYARKOLVPLIYKQFPGVPERTLGASGPAEGRVARGSERPRDLYVN 60  
 Db 23 CGPGRGPVGRRYARKOLVPLIYKQFPGVPERTLGASGPAEGRVARGSERPRDLYVN 82

Qy 61 PDTIKDEENSGADRMLTERRCKERKERNALIAAVMMWPGVRLRVTEGMEDGHQAQSLHY 120  
 Db 83 PDTIKDEENSGADRMLTERRCKERKERNALIAAVMMWPGVRLRVTEGMEDGHQAQSLHY 142

Qy 121 EGRALDITTSDRDRNKGILLARLAVELAEGFDWVYESRNHIIHVSKADNSLAVERAGG 176  
 Db 143 EGRALDITTSDRDRNKGILLARLAVELAEGFDWVYESRNHIIHVSKADNSLAVERAGG 198

RESULT 14  
 US-09-448-188-9  
 Sequence 9, Application US/09448188  
 Patent No. 6607913  
 GENERAL INFORMATION:  
 APPLICANT: Ingham, Phillip W.  
 McMahon, Andrew P.  
 Tabin, Clifford J.  
 TITLE OF INVENTION: Vertebrate Embryonic Pattern-Inducing Proteins and Uses Related Thereto  
 NUMBER OF SEQUENCES: 48  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: FOLEY, HOAG & ELLIOT LLP  
 STREET: One Post Office Square  
 CITY: Boston  
 STATE: MA  
 COUNTRY: USA  
 ZIP: 02109-2170

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/448,188  
 FILING DATE: 23-Nov- 6607913-1999  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: US 08/462,386  
 FILING DATE: 05-Jun-1995  
 APPLICATION NUMBER: US 08/435,093  
 FILING DATE: 04-May-1995  
 APPLICATION NUMBER: US 08/356,060  
 FILING DATE: 14-Dec-1994  
 APPLICATION NUMBER: US 08/176,427  
 FILING DATE: 30-Dec-1993  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Vincent, Matthew P.  
 REGISTRATION NUMBER: 36,709  
 REFERENCE/DOCKET NUMBER: HMV-006.12  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 617-832-7000  
 TELEFAX: 617-832-1000  
 INFORMATION FOR SEQ ID NO: 9:  
 SEQUENCE CHARACTERISTICS:

LENGTH: 396 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 9:  
 US-09-448-188-9

Query Match 98.2%; Score 920; DB 4; Length 396;  
 Best Local Similarity 97.7%; Pred. No. 5.4e-102; Indels 0; Gaps 0;  
 Matches 172; Conservative 1; Mismatches 3; Query Match 98.2%; Score 920; DB 4; Length 396;  
 Best Local Similarity 97.7%; Pred. No. 5.4e-102; Indels 0; Gaps 0;  
 Matches 172; Conservative 1; Mismatches 3; Db  
 Qy 1 CGPGRGPVGRRYARKOLVPLLYKQFPGVPERTLGASGPABGRVARGSERFRDLVPTN 60  
 Db 23 CGPGRGPVGRRYARKOLVPLLYKQFPGVPERTLGASGPABGRVARGSERFRDLVPTN 82  
 Qy 61 PDTIKDENSAGDRMLTTERCKERKERVNALIAVMNNPVGVRLTGEGEDGHQAQDSHY 120  
 Db 83 PDTIKDENSAGDRMLTTERCKERKERVNALIAVMNNPVGVRLTGEGEDGHQAQDSHY 142  
 Qy 121 EGRALDITTSDRANKYGLLARLAVAGFDWVYTESRHNHHVSVKADNSLAVERAGG 176  
 Db 143 EGRALDITTSDRANKYGLLARLAVAGFDWVYTESRHNHHVSVKADNSLAVERAGG 198

RESULT 15

US-08-954-128-9

Sequence 9, Application US/08954128

Patent No. 610656

GENERAL INFORMATION:

APPLICANT: McMahon, Andrew P.

APPLICANT: Tabin, Clifford J.

APPLICANT: Ingham, Phillip W.

APPLICANT: McElroy, Barbara A.

TITLE OF INVENTION: Vertebrate Embryonic Pattern-Inducing

TITLE OF INVENTION: Proteins and Uses Related Thereto

NUMBER OF SEQUENCES: 48

CORRESPONDENCE ADDRESS:

ADDRESSEE: POLBY, HOAG &amp; ELIOT LLP

STREET: One Post Office Square

CITY: Boston

STATE: MA

COUNTRY: USA

ZIP: 02109-2170

COMPUTER READABLE FORM:

COMPUTER TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/954,128

FILING DATE: 20-OCT-1997

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/462,386

FILING DATE: 05-JUN-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/435,093

FILING DATE: 04-MAY-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/355,060

FILING DATE: 14-DEC-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/176,427

FILING DATE: 30-DEC-1993

ATTORNEY//AGENT INFORMATION:

NAME: Vincent, Matthew P.

REGISTRATION NUMBER: 36,709

REFERENCE/DOCKET NUMBER: HMV-006.12

TELECOMMUNICATION INFORMATION:

TELEPHONE: 617-32-1000

TELEFAX: 617-832-7000

INFORMATION FOR SEQ ID NO: 9:

SEQUENCE CHARACTERISTICS:

LENGTH: 396 amino acids

TOPOLOGY: linear  
 MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 9:  
 US-08-954-128-9

Query Match 98.2%; Score 920; DB 4; Length 396;  
 Best Local Similarity 97.7%; Pred. No. 5.4e-102; Indels 0; Gaps 0;  
 Matches 172; Conservative 1; Mismatches 3; Query Match 98.2%; Score 920; DB 4; Length 396;  
 Best Local Similarity 97.7%; Pred. No. 5.4e-102; Indels 0; Gaps 0;  
 Matches 172; Conservative 1; Mismatches 3; Db  
 Qy 1 CGPGRGPVGRRYARKOLVPLLYKQFPGVPERTLGASGPABGRVARGSERFRDLVPTN 60  
 Db 23 CGPGRGPVGRRYARKOLVPLLYKQFPGVPERTLGASGPABGRVARGSERFRDLVPTN 82  
 Qy 61 PDTIKDENSAGDRMLTTERCKERKERVNALIAVMNNPVGVRLTGEGEDGHQAQDSHY 120  
 Db 83 PDTIKDENSAGDRMLTTERCKERKERVNALIAVMNNPVGVRLTGEGEDGHQAQDSHY 142  
 Qy 121 EGRALDITTSDRANKYGLLARLAVAGFDWVYTESRHNHHVSVKADNSLAVERAGG 176  
 Db 143 EGRALDITTSDRANKYGLLARLAVAGFDWVYTESRHNHHVSVKADNSLAVERAGG 198

Search completed: February 16, 2005, 12:53:29

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